

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner
UMNH
1390 East President's Circle
Salt Lake City, Utah 84112

Design Architect
Polshek Partnership Archite
320 West 13th Street

Architect of Record

P Gillies Stransky Brems Sm
375 West 200 South
Salt Lake City, Utah

Brems Smith outh Jtah New York, New York

neer Mechanical/Plumbing/FP son Associates Colvin Engineering Associa 244 West 300 North York 10004 Salt Lake City, Utah 84103 Electrical/AV Enginee Spectrum Engineers 175 South Main Street Salt Lake City, Utah 84 800.678.7077 tel

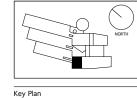
Engineer Landscape Architelers Design Workshop, Street 1796 Prospector Auton 84111 Park City, Utah 84 435.655.0915 tel.

Branston Partnershi
e 122 West 26th Stree
New York, NY 1000
212.924.4050 tel.

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

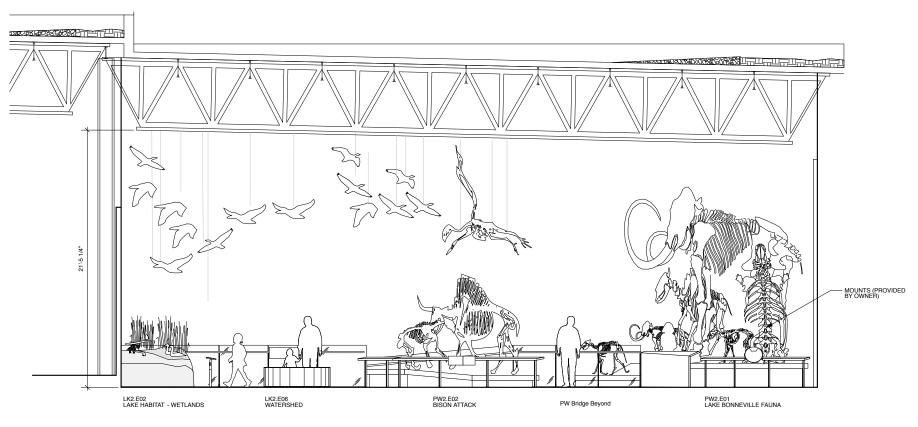


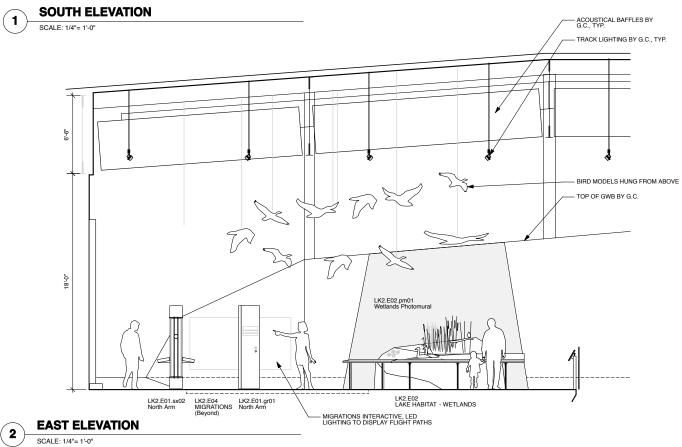
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	WS7	Dec. 18, 2007
	50% DD	Sept. 18, 2007
	WS6	July 11, 2007
	WS5	May 23, 2007
	WS4	April 12, 2007
	No. / Issue Nan	ne / Date

Sheet Title
Level 3 Sections & Elevations:
Lake Observatory

Date Project No.
Dec. 19, 2008 0275

1/4"=1'-0" X3-LK-2.00





UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

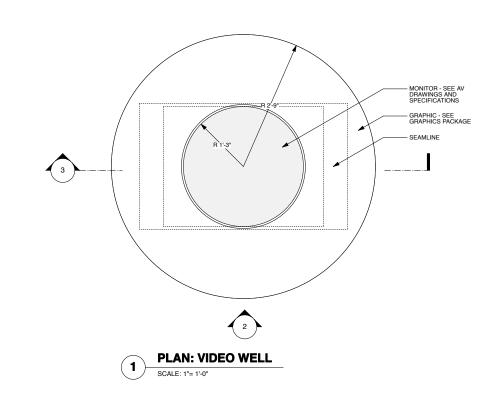
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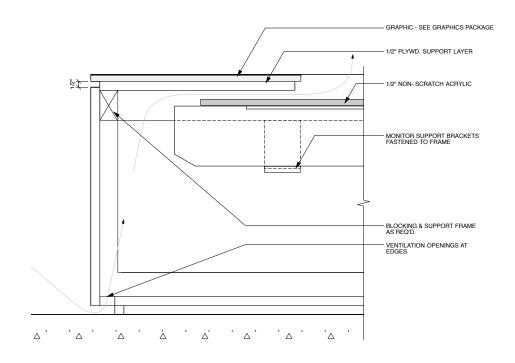
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Key Plan		

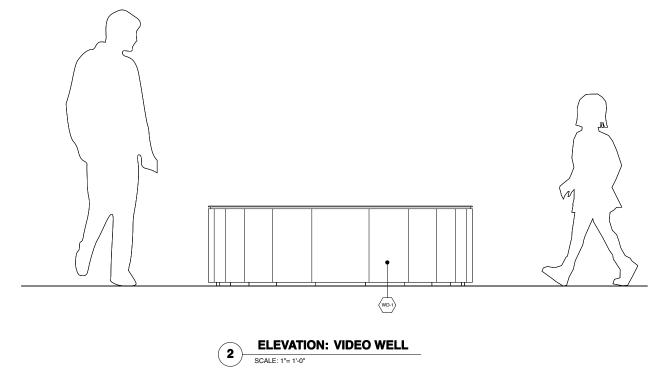
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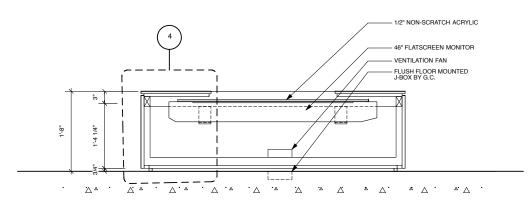
			Sheet Title Level 3 Sections & Elevation Lake Observatory		
			Date		Project No.
		_	Dec. 19, 2008		0275
80% FD	Dec.19, 2008	_	Scale*		Sheet No





SECTION DTL.: VIDEO WELL





SECTION: VIDEO WELL SCALE: 1"= 1'-0"

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Ov	vner
13 Sa	/INH 90 East President's Circle It Lake City, Utah 84112 1.581.6927 tel.

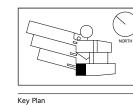
Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Electrical/AV Engineer

Landscape Architect

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



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_	No. / Issue Nan	ne / Date

Sheet Title
Level 3 Details: Video Well
Lake Observatory 0275 Dec. 19, 2008

X3-LK-3.00

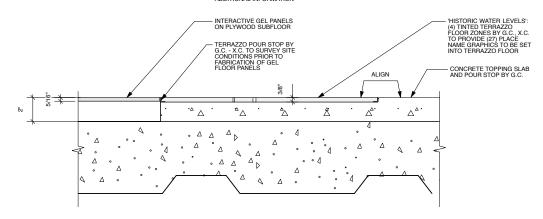
NOTES:

1. X.C. TO SURVEY SITE CONDITIONS PRIOR TO SHOP DRAWINGS AND FABRICATION OF GEL FLOOR PANELS

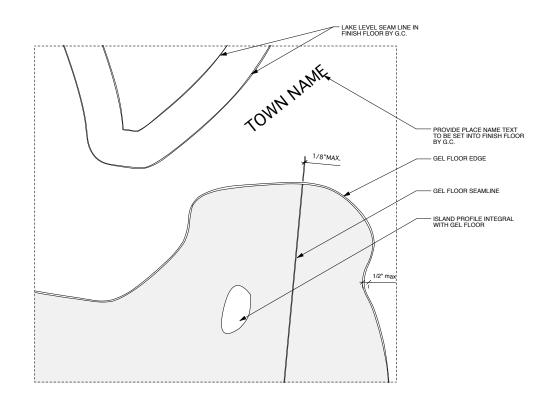
2. PROVIDE CONTINUOUS CLEAR SILICON BEAD AT TERRAZZO EDGE AND BETWEEN PANELS

3. ADHERE GEL PANELS TO SUBFLOOR WITH MPEI G-19 ADHESIVE OR EQ.

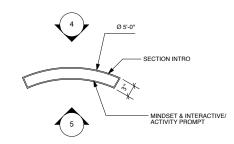
4. SEE SPECIFICATIONS FOR ADDITIONAL AND GRAPHICS PACKAGE FOR ADDITIONAL INFORMATION



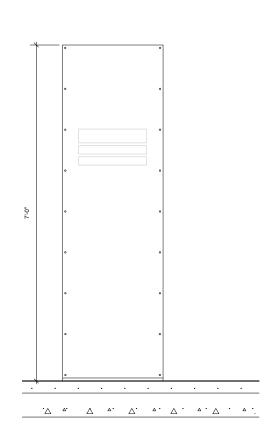
TYP. SECTION DETAIL: LAKE FLOOR



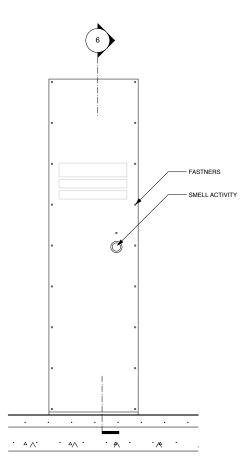
PLAN DETAIL: LAKE FLOOR SCALE: 1"= 1'-0"



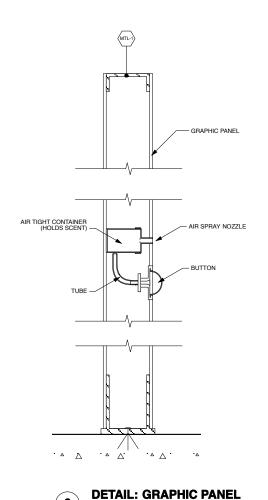
PLAN: GRAPHIC PANEL SCALE: 1"= 1'-0"



DEVELOPED ELEVATION: FRONT



DEVELOPED ELEVATION: BACK SCALE: 1"= 1'-0"



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UMNH 1390 East President's Circle Salt Lake City, Utah 84112 801.581.6927 tel.

Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Electrical/AV Engineer

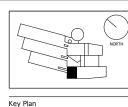
Landscape Architect

Lighting

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



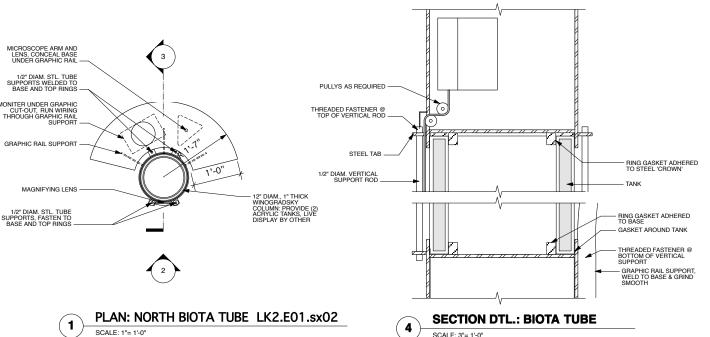
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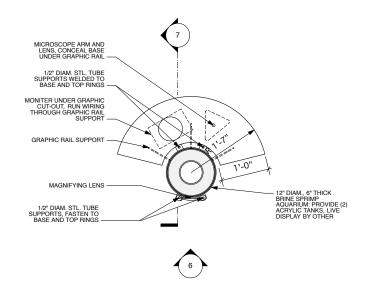
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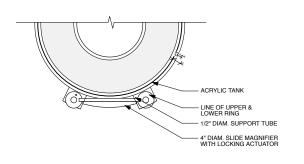
Level 3 Details: Lake Floor / Graphic Pane Lake Observatory 0275 Dec. 19, 2008 Sheet No.

*Note: Scale Given for Full Size Drawing Sheet (22" x 34")

X3-LK-3.01



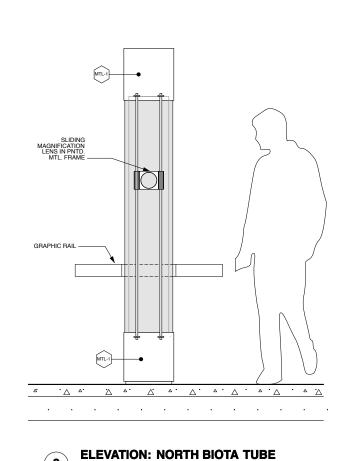


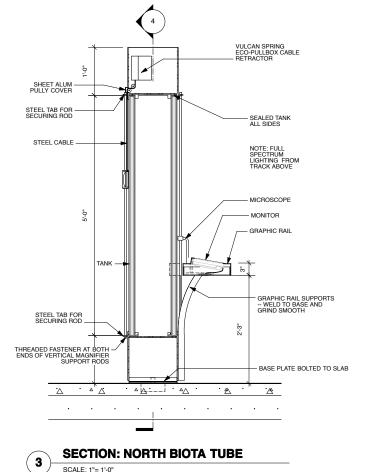


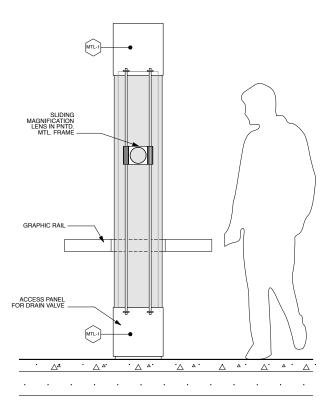
SCALE: 3"= 1'-0"

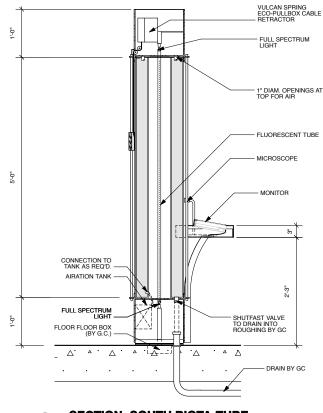
PLAN: SOUTH BIOTA TUBE LK2.E01.sx03

PLAN DTL.: SLIDE MAGNIFIER









ELEVATION: SOUTH BIOTA TUBE

SCALE: 1"= 1'-0"

SECTION: SOUTH BIOTA TUBE SCALE: 1"= 1'-0"

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UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner	
UMNH 1390 East President's (Salt Lake City, Utah 84 801.581.6927 tel.	

SCALE: 1"= 1'-0"

Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Landscape Architect

Lighting

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel. Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

Exhibit Construction Key Plan

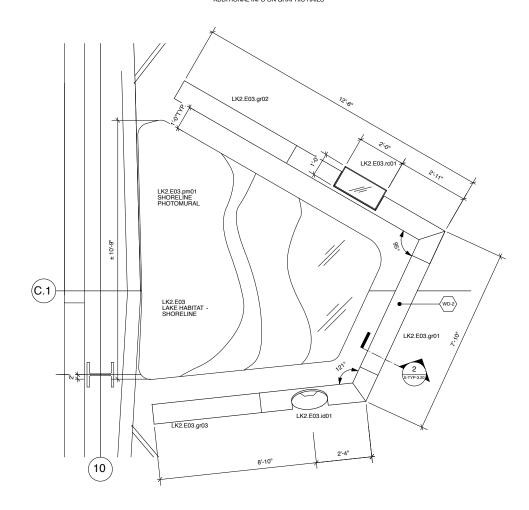
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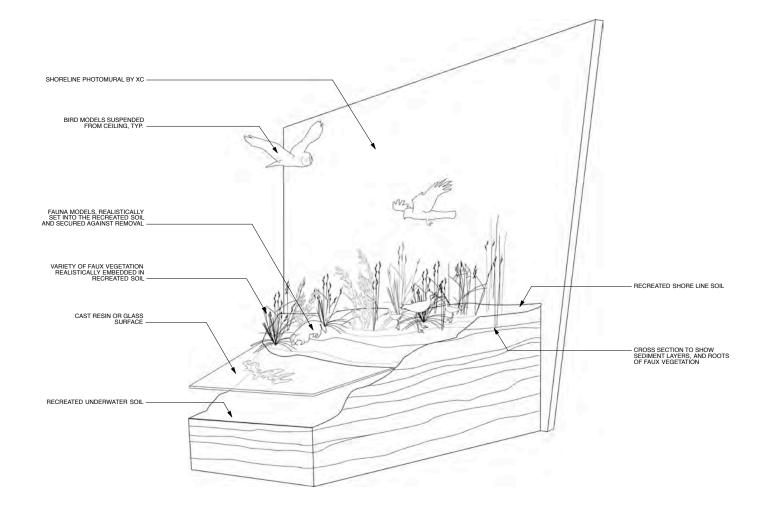
Level 3 Details: Biota Display Lake Observatory Dec. 19, 2008 0275 Sheet No.

X3-LK-3.02

NOTES: 1. SEE X-TYP- 3.10 - 3.20 FOR TYPICAL RAIL DETAILS 2. SEE GRAPHIC PACKAGE AND SPECIFICATIONS FOR ADDITIONAL INFO ON GRAPHIC RAILS



SHORELINE DIORAMA PLAN: LK2.E03



SHORELINE DIORAMA VIEW: LK2.E03

NOTE:

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UMNH 1390 East President's Circle Salt Lake City, Utah 84112 801.581.6927 tel.

Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

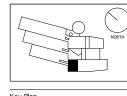
Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

Lighting

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



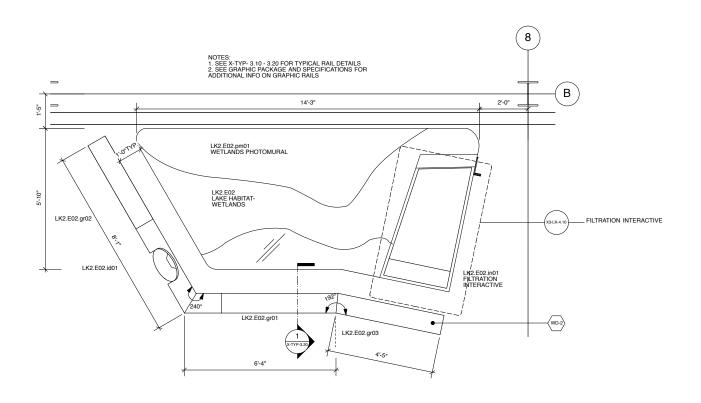
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Level 3 Details: Shoreline Diorama Lake Observatory Project No.

Dec. 19, 2008 0275 Sheet No. X3-LK-3.10

*Note: Scale Given for Full Size Drawing Sheet (22" x 34")



WETLAND PHOTOMURAL ON DRYWALL BY XC - CROSS SECTION TO SHOW SEDIMENT LAYERS, AND ROOTS OF FAUX VEGETATION FAUNA MODELS, REALISTICALLY SET INTO THE RECREATED SOIL AND SECURED AGAINST REMOVAL CAST RESIN OR GLASS SURFACE RECREATED UNDERWATER SOIL -- FILTRATION INTERACTIVE, SEE: X3-LK-4.20

WETLANDS DIORAMA PLAN: LK.2.E02 SCALE: 1/2"= 1'-0"

WETLANDS DIORAMA VIEW: LK2.E02

2. XC TO PROVIDE SAMPLES OF ALL SURFACES PRIOR TO FABRICATION FOR RAA TO APPROVE.

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UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner
UMNH 1390 East President's Circle Salt Lake City, Utah 84112 801 581 6927 tal

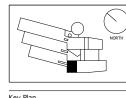
Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



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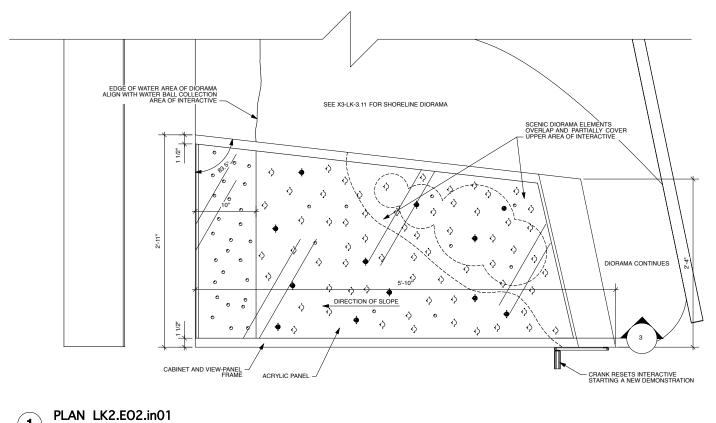
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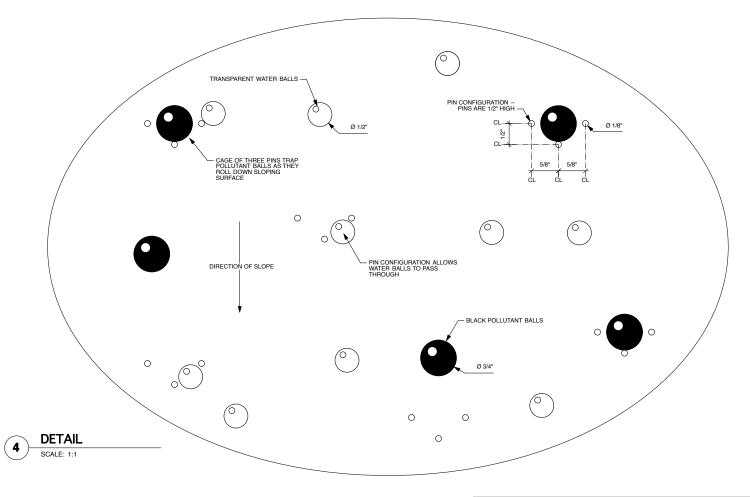
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Level 3 Details: Wetlands / Filtration Lake Observatory Dec. 19, 2008

X3-LK-3.11

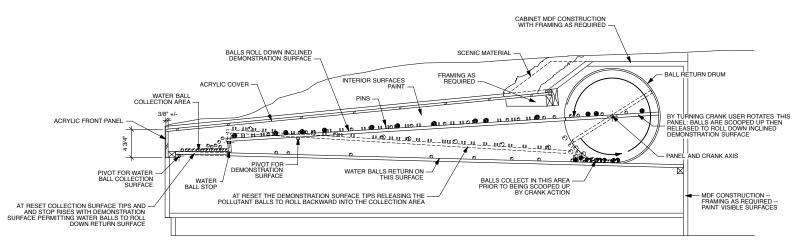
Sheet No.





SCALE: 1-1/2" = 1'-0" — LK2.E02.gr02 - DIORAMA BEHIND DIORAMA BEHIN BY TURNING CRANK COUNTER-CLOCKWISE 1/2 TURN THE VISITOR RESETS THE INTERACTIVE

NOTE: MECHANICAL IDEAS SHOWN INDICATE DESIGN INTENT ONLY --EXHIBIT FABRICATOR TO ENGINEER INTERACTIVE FOR SMOOTH OPERATION AND FOR A FUNCTIONAL LIFE SPAN OF 15 YEARS



SECTION (3) SCALE: 1-1/2" = 1'-0"

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UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

SIDE VIEW

SCALE: 1-1/2" = 1'-0"

Design Architect

Architect of Record

Structural Engineer

Mechanical/Plumbing/FP Engineer

Electrical/AV Engineer

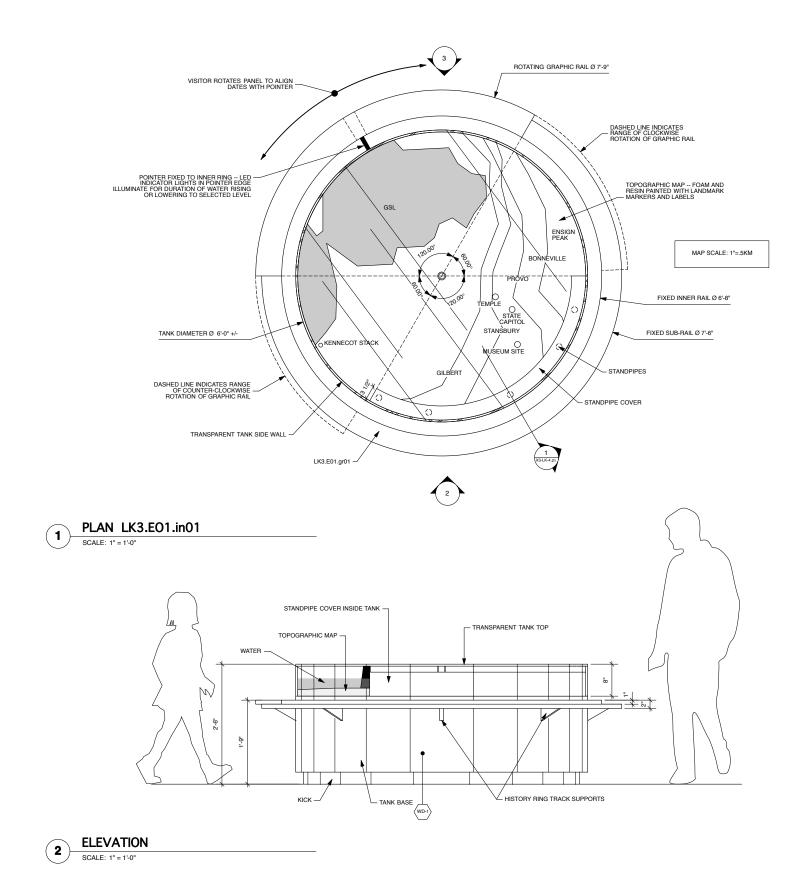
Landscape Architect

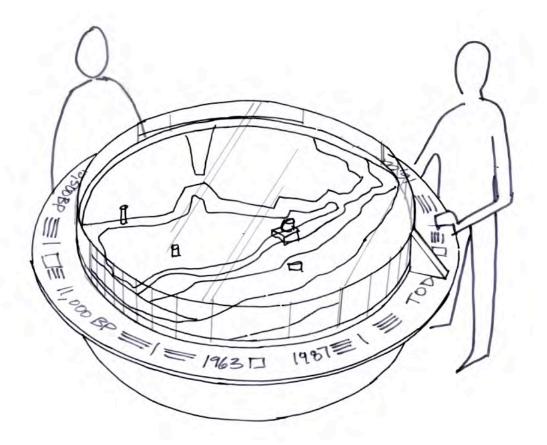
BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction

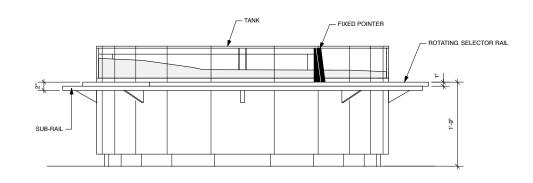
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	WS5	May 23, 2
	WS4	April 12, 2

	Sheet Title Level 3 Detail Wetland Filtra	s: tion Interactive
	Date	Project No.
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SKETCH



ELEVATION SCALE: 1" = 1'-0"

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

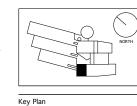
UMNH 1390 East President's Circle Salt Lake City, Utah 84112 801.581.6927 tel.

Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Electrical/AV Engineer

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

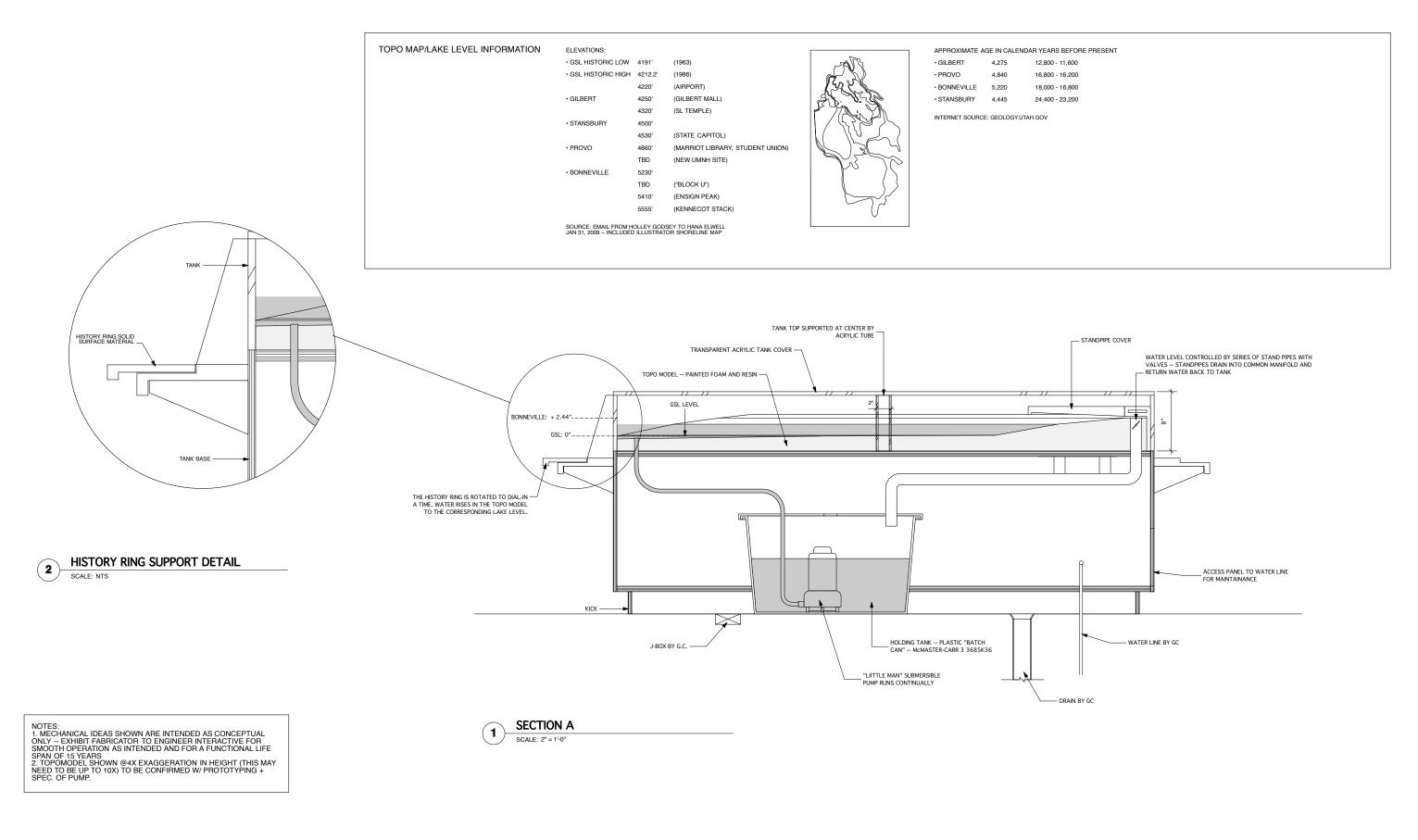


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WS5	May 23, 2007
WS4	April 12, 2007

No. / Issue Name / Date

No. / Issue Name / Date

Level 3 Details: Formation Interactive 0275 X3-LK-4.20



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UMNH 1390 East President's Circle Salt Lake City, Utah 84112 801.581.6927 tel.

Design Architect

Architect of Record

Structural Engineer

Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Mechanical/Plumbing/FP Engineer Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

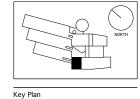
Electrical/AV Engineer

Landscape Architect

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel. BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction

Exhibition Planner and Designer



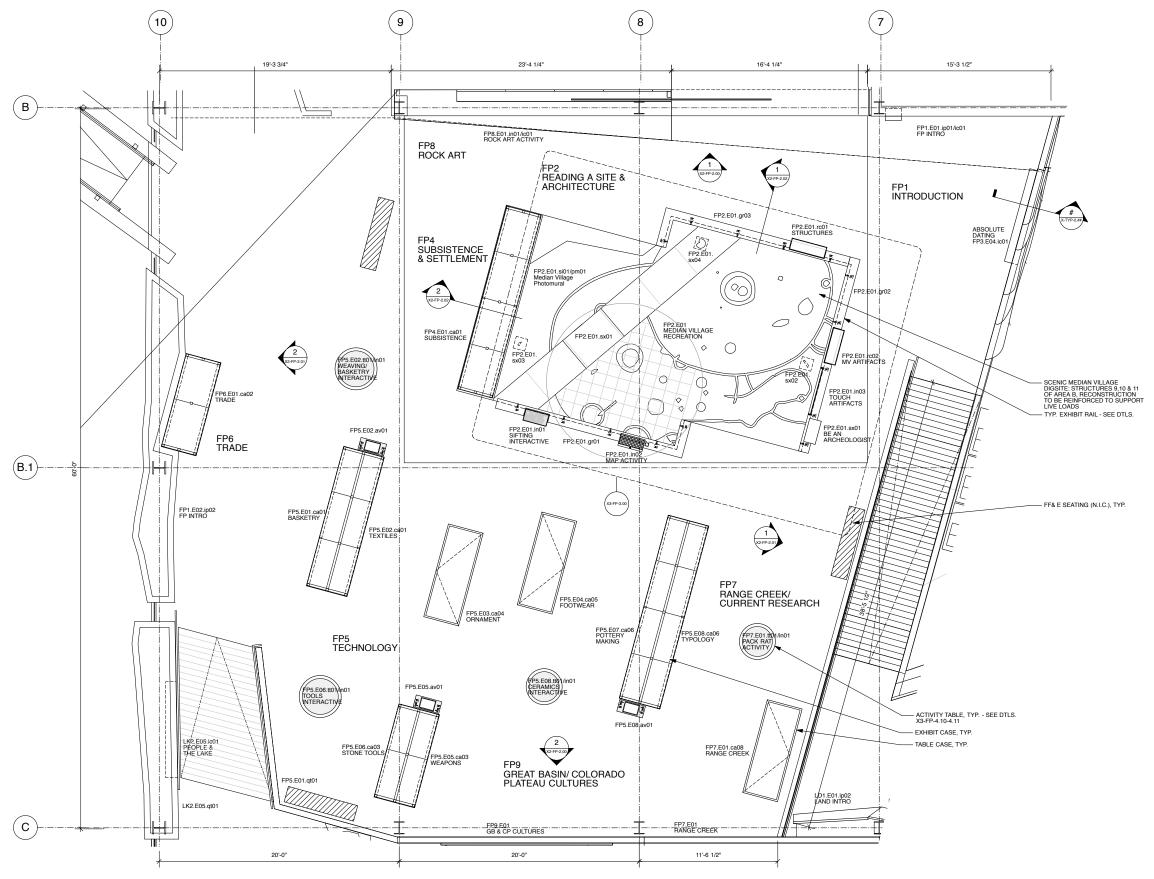
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Level 3 Details: Formation Interactive Project No. 0275 Sheet No.

*Note: Scale Given for Full Size Drawing Sheet (22" x 34")

X3-LK-4.21



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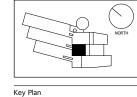
Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Electrical/AV Engineer Landscape Architect

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction

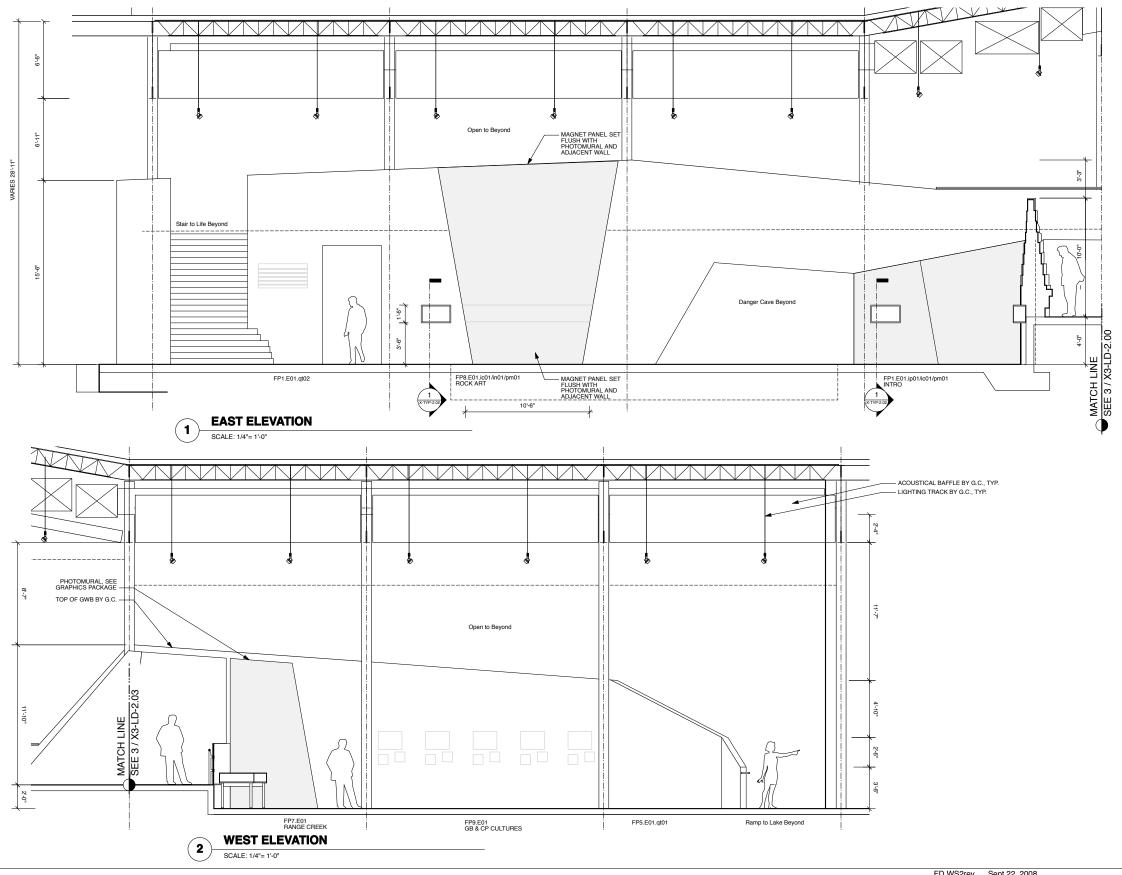
Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



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	WS4	April 12, 2007
	No. / Issue Nan	ne / Date

Level 3 Partial Plan: First Peoples Observatory Dec. 19, 2008

Sheet No. X3-FP-1.00



UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Design Architect

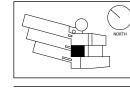
Architect of Record Gillies Stransky Brems Smitt 375 West 200 South Salt Lake City, Utah 801.521.8600 tel. Structural Engineer Leslie E. Robertson Associate 30 Broad Street New York, New York 10004 212.750.9000 tel.

Mechanical/Plumbing/FP Engineer

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Design Workshop, Inc. 1796 Prospector Avenue Park City, Utah 84060 435.655.0915 tel.

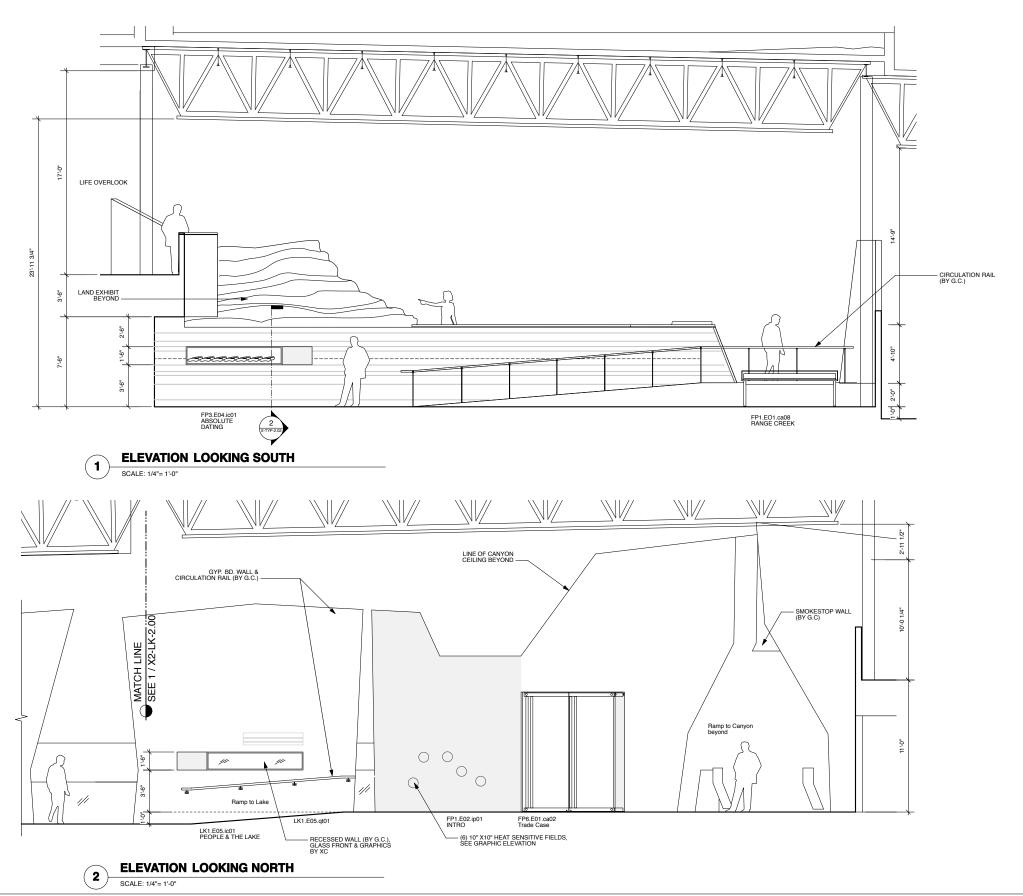
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Sheet Title
Level 2 Sections & Elevations:
First Peoples Observatory Project No.

0275 Dec. 19, 2008 Sheet No. 1/4"=1'-0" X2-FP-2.00



UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Structural Engineer

Electrical/AV Engineer

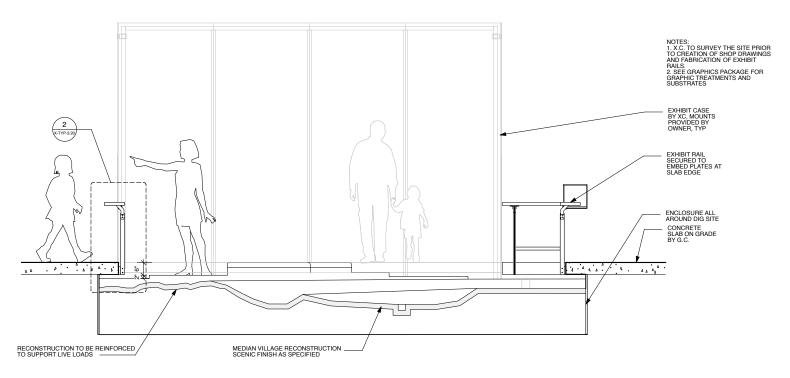


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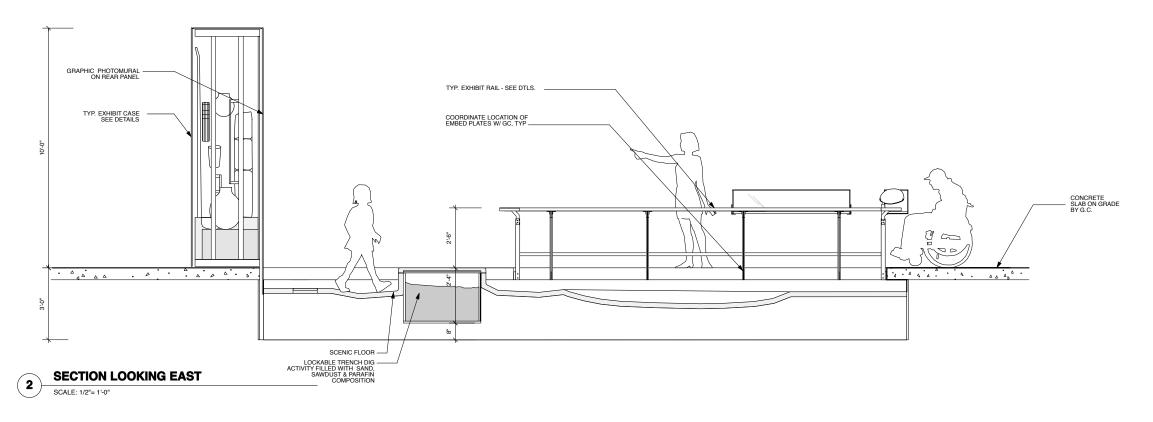
Level 3 Sections & Elevations: First Peoples Observatory 0275

Sheet No. X3-FP-2.01



SECTION LOOKING NORTH

SCALE: 1/2"= 1'-0"



1. X.C. TO SURVEY THE SITE PRIOR TO CREATION OF SHOP DRAWINGS AND FABRICATION OF EXHIBIT RAILS. 2. SEE GRAPHICS PACKAGE FOR GRAPHIC TREATMENTS AND SUBSTRATES

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UMNH 1390 East President's Circle Salt Lake City, Utah 84112 801 581 6927 tel.

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Electrical/AV Engineer

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BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel. Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

Exhibit Construction Key Plan

FD WS2rev	Sept.22, 2008
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WS8	Feb. 20, 2008
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WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007

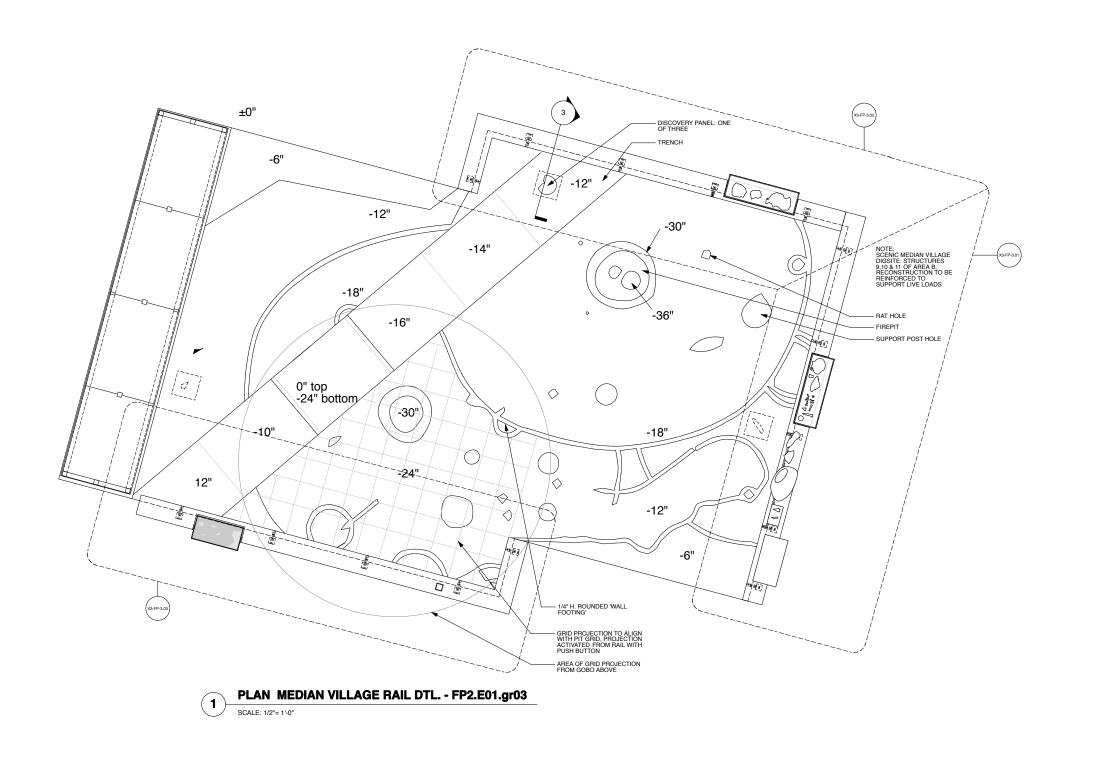
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FD WS3 Oct.16, 2008

Level 2 Sections & Elevations: First Peoples Observatory

Dec. 19, 2008 0275 Sheet No.

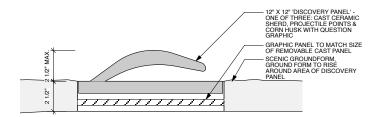
X2-FP-2.02 1/2"=1'-0"





MEDIAN VILLAGE REFERENCE IMAGE

SCALE: NTS



MV DISCOVERY PANEL

SCALE: 3" = 1'-0"

1. X.C. TO SURVEY THE SITE PRIOR TO CREATION OF SHOP DRAWINGS AND FABRICATION OF EXHIBIT RAILS. 2. SEE GRAPHICS PACKAGE FOR GRAPHIC TREATMENTS AND SUBSTRATES.

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Design Architect

Architect of Record

Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

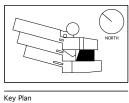
Mechanical/Plumbing/FP Engineer

Electrical/AV Engineer Spectrum Engineers 175 South Main Street Salt Lake City, Utah 8411 800.678.7077 tel Landscape Architect

Audio Visual BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction

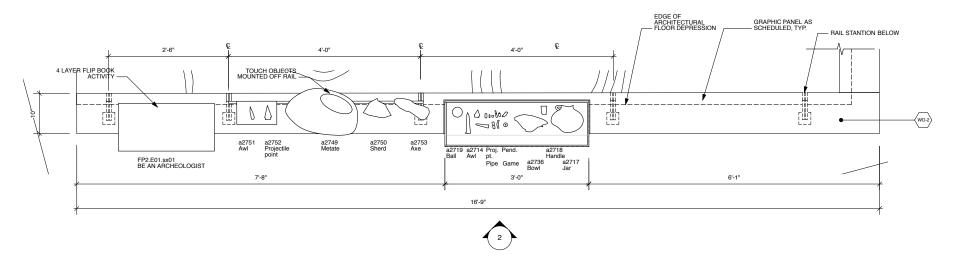
Exhibition Planner and Designer Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



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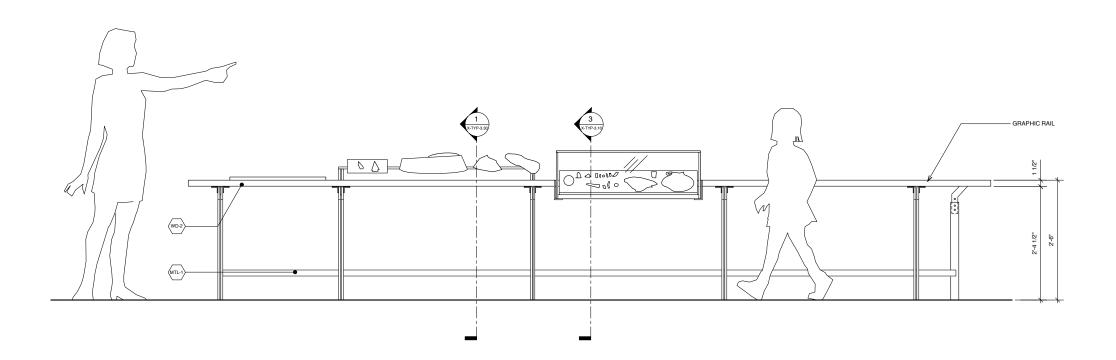
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PLAN MEDIAN VILLAGE RAIL DTL. - FP2.E01.gr02

SCALE: 1"= 1'-0"



ELEVATION MEDIAN VILLAGE RAIL - FP2.E01.gr02

SCALE: 1'= 1'-0"

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212.807.7171 tel.

Architect of Record
ects LLP Gillies Stransky Brems:
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Salt Lake City, Utah
801.521.8600 tel.

Record Structural Engineer
sky Brems Smith
0 South
1, Utah
1 tel. Structural Engineer
Leslie E. Robertson A
30 Broad Street
New York, New York
212.750.9000 tel.

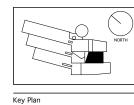
Mechanical/Plumbing/FP Engineer sociates Colvin Engineering Associates, Inc. 244 West 300 North 5004 Salt Lake City, Utah 84103 801.322.2400 tel Electrical/AV Engineer Spectrum Engineers 175 South Main Street Salt Lake City, Utah 84111 800.678.7077 tel Landscape Architect
Design Workshop, Inc.
1796 Prospector Avenue
Park City, Utah 84060
435.655.0915 tel.

Lighting
Branston Partnership
122 West 26th Street
New York, NY 10001
212.924.4050 tel.

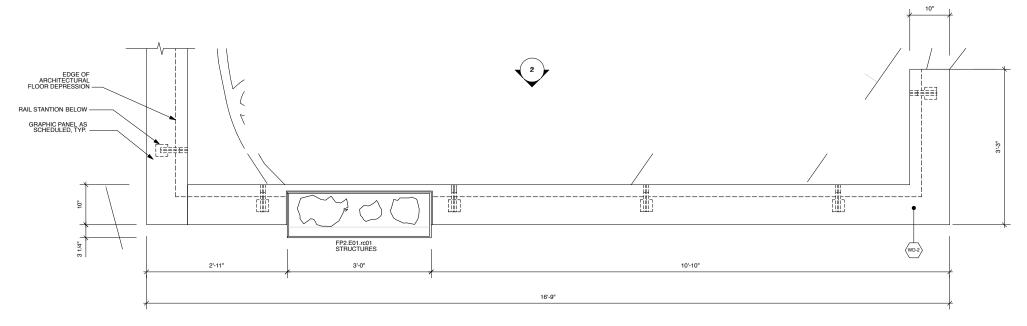
Audio Visual
BBI Engineering, Inc.
241 Quint Street
San Francisco, CA 94124
415 685 9555 tel.

Exhibit Construction

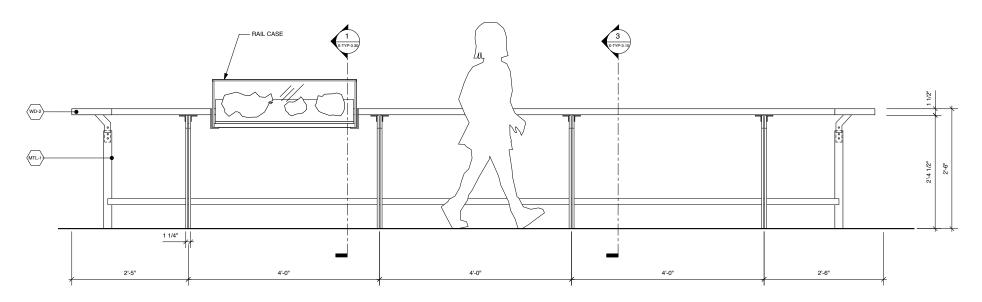
Exhibition Planner and Designer
Ralph Appelbaum Associates
88 Pine Street
4 New York, New York 10005
212.334.8200 tel.



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WS4 April 12, 2007



PLAN MEDIAN VILLAGE RAIL DTL. - FP2.E01.gr03



ELEVATION MEDIAN VILLAGE RAIL DTL. - FP2.E01.gr03

SCALE: 1"= 1'-0"

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Salt Lake City, Utah

Structural Engineer Leslie E. Robertson Assoc 30 Broad Street New York, New York 1000 212.750.9000 tel. Mechanical/Plumbing/FP Engineer Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel Electrical/AV Engineer Spectrum Engineers 175 South Main Street Salt Lake City, Utah 84111 800.678.7077 tel Landscape Architect
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1796 Prospector Avenue
Park City, Utah 84060
435.655.0915 tel.

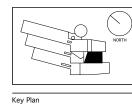
Lighting
Branston Partners
122 West 26th Str
New York, NY 100
212.924.4050 tel.

Audio Visual

ip BBI Engineering, Inc.
et 241 Quint Street
11 San Francisco, CA 94124
415 685 9555 tel.

Exhibition Planner and Designer
Ralph Appelbaum Associates
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124 New York, New York 10005
212.334.8200 tel.

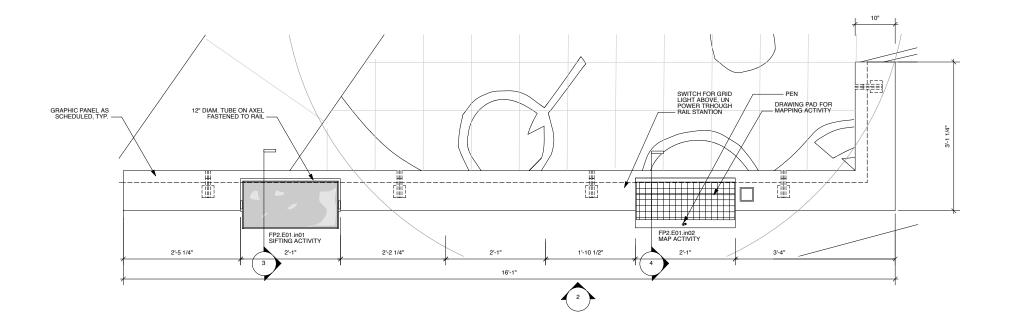
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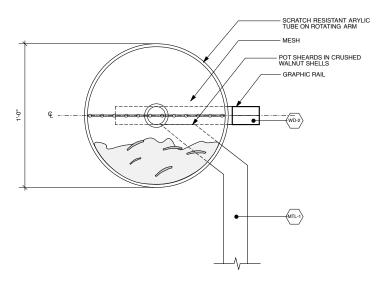


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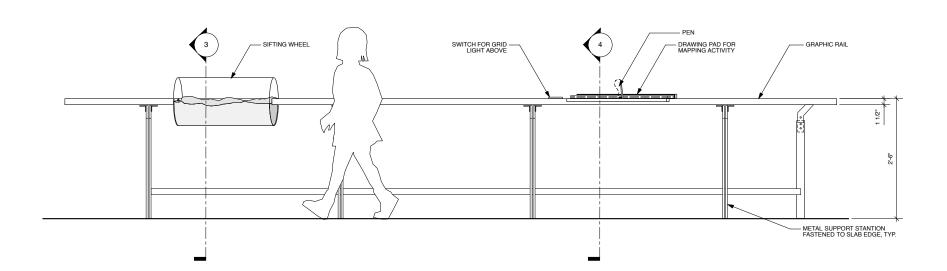
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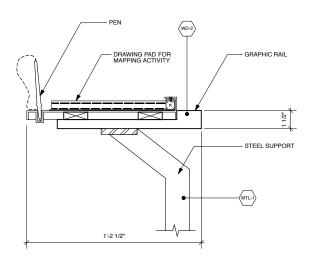




PLAN MEDIAN VILLAGE RAIL DTL. - FP2.E01.gr01



SECTION DTL. SIFTING ACTIVITY SCALE: 3"= 1'-0"



ELEVATION MEDIAN VILLAGE RAIL - FP2.E01.gr01 SCALE: 1"= 1'-0"

SECTION DTL. MAPPING ACTIVITY SCALE: 3"= 1'-0"

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Design Architect

Architect of Record

Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Mechanical/Plumbing/FP Engineer

Electrical/AV Engineer

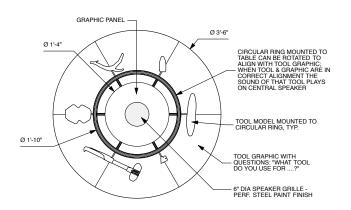
BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

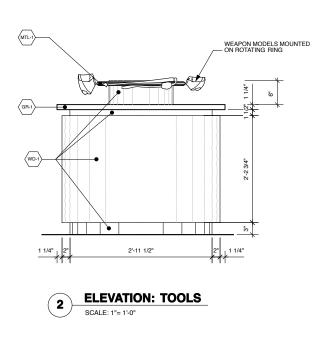
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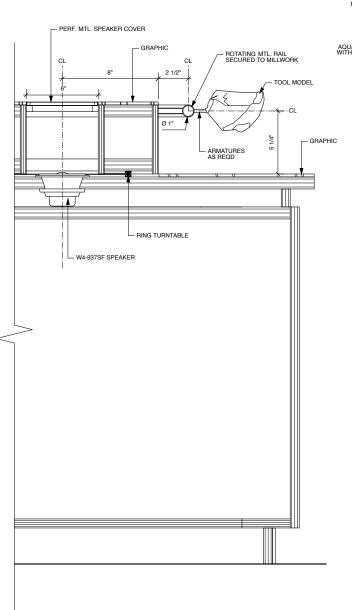
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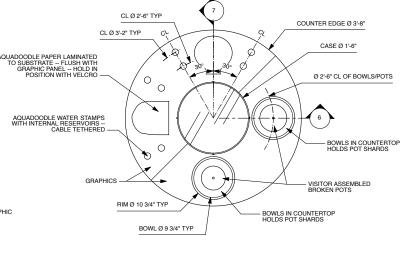
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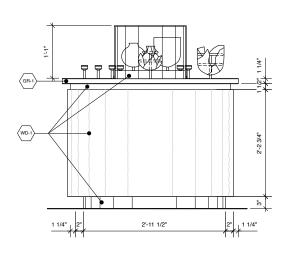
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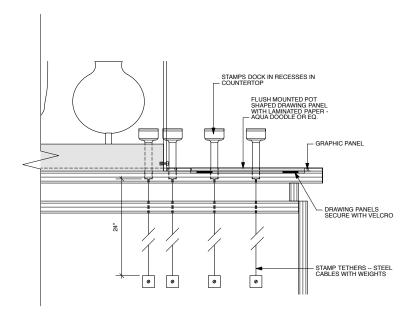




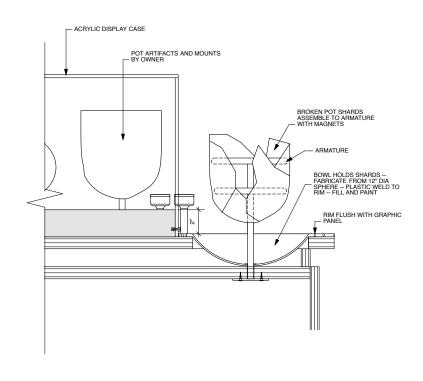
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ELEVATION: CERAMICS



CERAMICS SECTION DETAIL 2



CERAMICS SECTION DETAIL 1 SCALE: 3"= 1'-0"

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UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

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UMNH 1390 East President's Circle Salt Lake City, Utah 84112 801 581 6927 tel

Design Architect

Architect of Record

Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Mechanical/Plumbing/FP Engineer

SCALE: 3"= 1'-0"

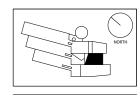
TOOLS SECTION DETAIL

Electrical/AV Engineer

Landscape Architect

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel. Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

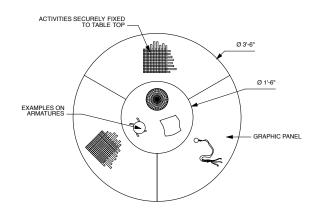
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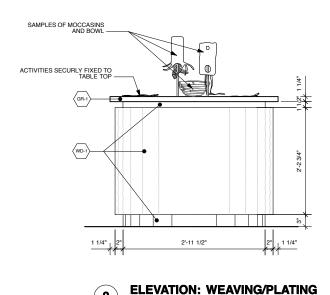
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WS4	April 12, 2007

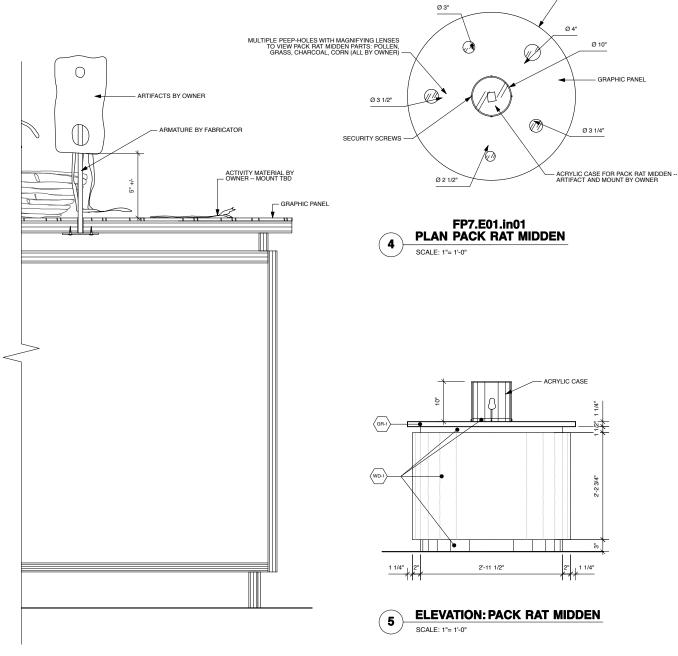
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Level 3 Details: TABLE EXHIBITS Dec. 19, 2008 0275 Sheet No. X3-FP-4.10









PACK RAT SECTION DETAIL

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Design Architect Polshek Partnership Architects LLP 320 West 13th Street New York, New York 212.807.7171 tel.

Architect of Record Gillies Stransky Brems Smith 375 West 200 South Salt Lake City, Utah 801.521.8600 tel.

Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Mechanical/Plumbing/FP Engineer

Electrical/AV Engineer

SCALE: 3"= 1'-0"

WEAVING/PLATING SECTION DETAIL

Landscape Architect Design Workshop, Inc. 1796 Prospector Avenue Park City, Utah 84060 435.655.0915 tel.

Branston Partnership 122 West 26th Street New York, NY 10001 212.924.4050 tel.

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.



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_	WS4	April 12, 2007

FD WS3 Oct.16, 2008

- ACRYLIC CASE

- MIDDEN MODE

RISER -

FROSTED ACRYLIC CUP WITH PAINTED BASE HOLDS MIDDEN PARTS LIGHT FIXTURE ILLUMINATES CUP EDGES, XC TO COORDINATE INTEGRATION OF LIGHTING & PROVIDE PROTOTYPE

SECURITY SCREWS

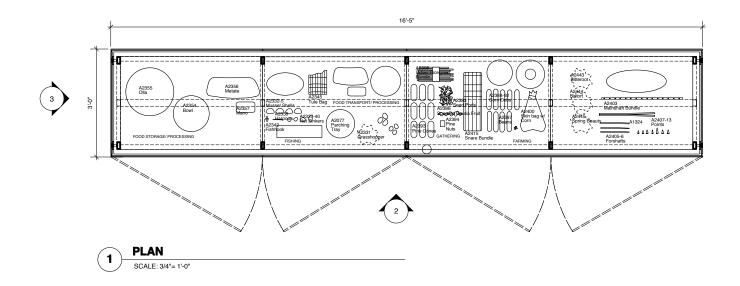
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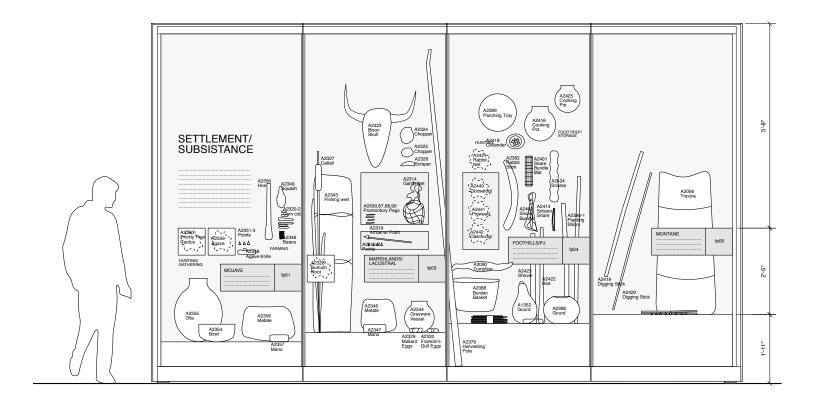
- GRAPHIC PANEL

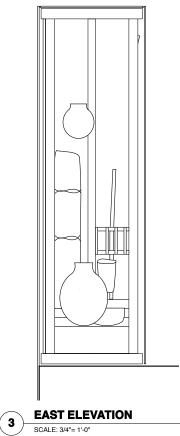
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*Note: Scale Given for Full Size Drawing Sheet (22" x 34")

X3-FP-4.11









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Electrical/AV Engineer

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

Exhibit Construction

Key Plan No. / Issue Name / Date

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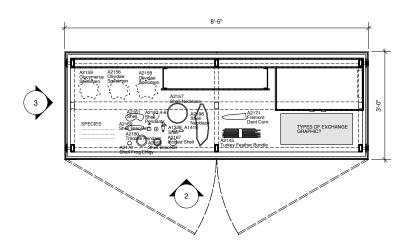
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FP4.E01.ca01

2. SEE CASEWORK SPECIFICATIONS

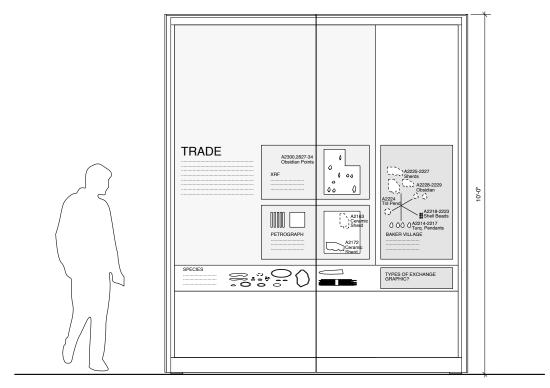
Date Project No. Nov. 3, 2008 Sheet No.

X3-FP-5.10

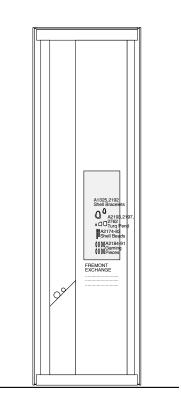
1. SEE X-TYP-1.00 FOR GLASS CASE SCHEDULE AND TYP. CASE DWGS FOR BRACKET & PANEL DTLS



PLAN SCALE: 3/4"= 1'-0"







ELEVATION SCALE: 3/4"= 1'-0"

1. SEE X-TYP-1.00 FOR GLASS CASE SCHEDULE AND TYP. CASE DWGS FOR BRACKET & PANEL DTLS 2. SEE CASEWORK SPECIFICATIONS

UTAH MUSEUM OF NATURAL HISTORY

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Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



Key Plan

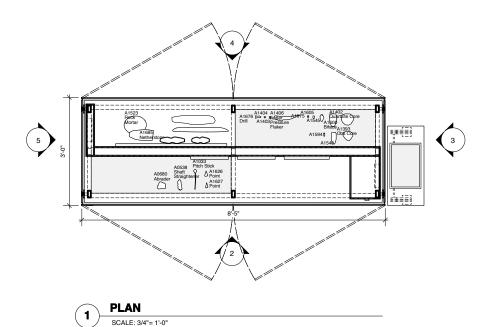
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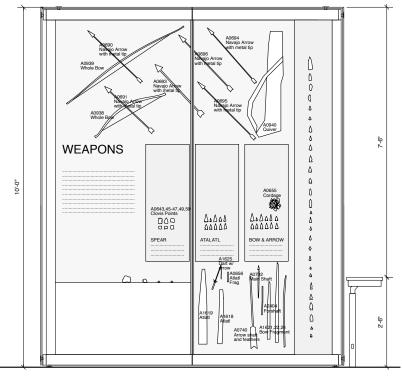
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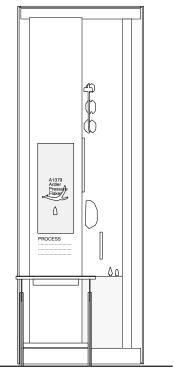
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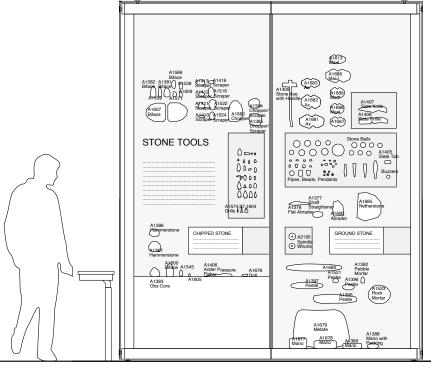
Project No. 0275 Nov. 3, 2008 Sheet No. Scale*

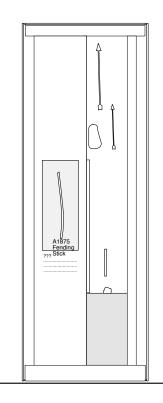
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ELEVATION (5) 1. SEE X-TYP-1.00 FOR GLASS CASE SCHEDULE AND TYP. CASE DWGS FOR BRACKET & PANEL DTLS SCALE: 3/4"= 1'-0" 2. SEE CASEWORK SPECIFICATIONS

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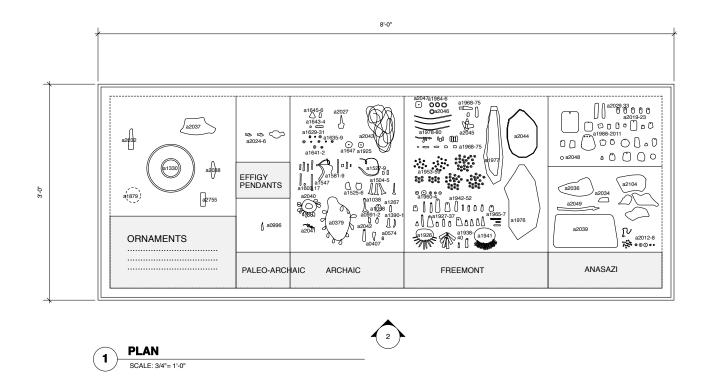


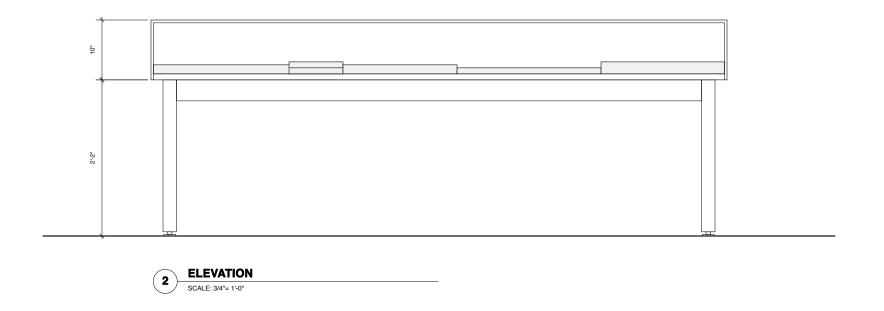
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Oct.16, 2008	

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Date	Project No.
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*Note: Scale Given for Full Size Drawing Sheet (22" x 34")





1. SEE X-TYP-1.00 FOR GLASS CASE SCHEDULE AND TYP. CASE DWGS FOR BRACKET & PANEL DTLS 2. SEE CASEWORK SPECIFICATIONS

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Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Electrical/AV Engineer

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

Exhibit Construction

Key Plan

1		XG 60%
	NORTH	WS9
_		WS8
		WS7
		50% DD
		WS6 WS5
		WS4

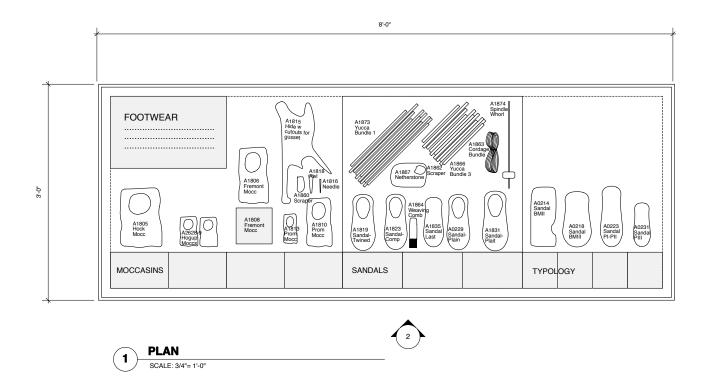
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	WS5	May 23, 2007
	WS4	April 12, 2007

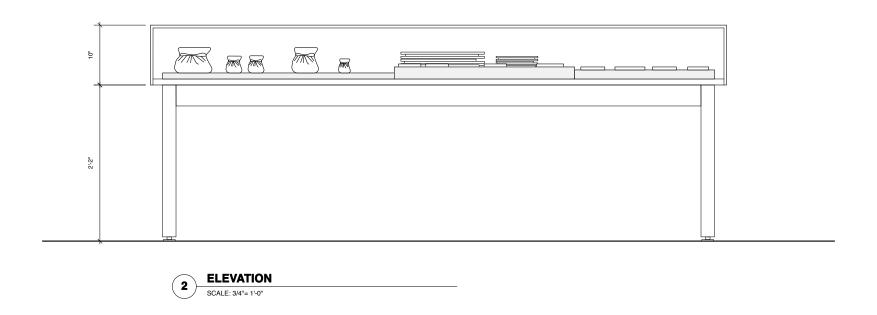
No. / Issue Name / Date

FD WS3 Oct.16, 2008 No. / Issue Name / Date

Sheet Title Exhibit Case Layouts FP5.EO3.ca04

Date Project No. 0275 Nov. 3, 2008 Sheet No. Scale*





1. SEE X-TYP-1.00 FOR GLASS CASE SCHEDULE AND TYP. CASE DWGS FOR BRACKET & PANEL DTLS 2. SEE CASEWORK SPECIFICATIONS

UTAH MUSEUM OF NATURAL HISTORY

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Architect of Record

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Electrical/AV Engineer

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



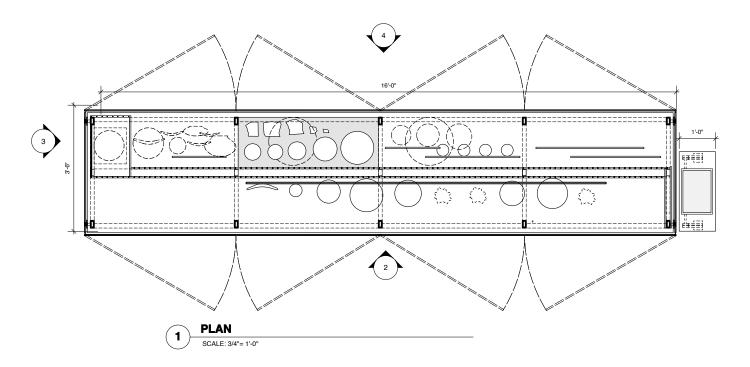
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	WS4	April 12, 2007
	No. / Issue Nan	ne / Date

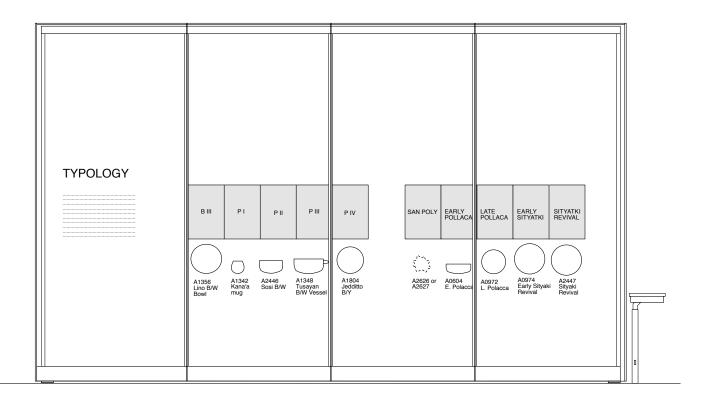
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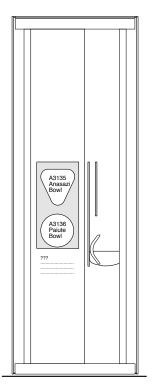
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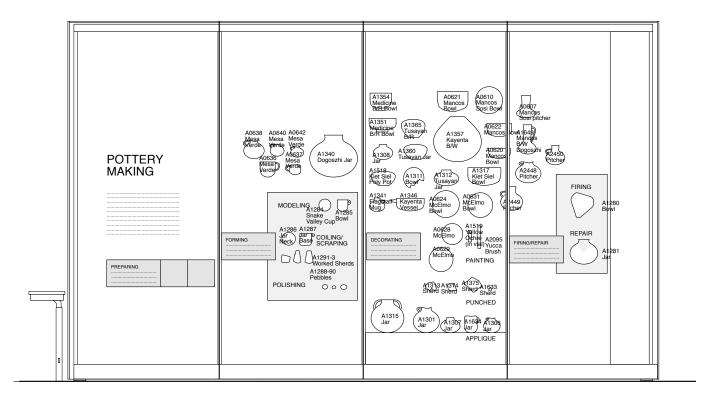
Date Project No. Nov. 3, 2008 0275 Sheet No. Scale*

*Note: Scale Given for Full Size Drawing Sheet (22" x 34")















1. SEE X-TYP-1.00 FOR GLASS CASE SCHEDULE AND TYP. CASE DWGS FOR BRACKET & PANEL DTLS 2. SEE CASEWORK SPECIFICATIONS

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner
UMNH 1390 East President's Circle Salt Lake City, Utah 84112 801 581 6927 tol

Design Architect

Architect of Record Gillies Stransky Brems Smith 375 West 200 South Salt Lake City, Utah 801.521.8600 tel.

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Electrical/AV Engineer

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

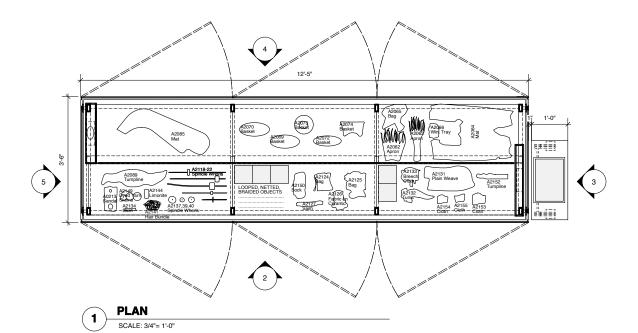
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Key Pla	an		

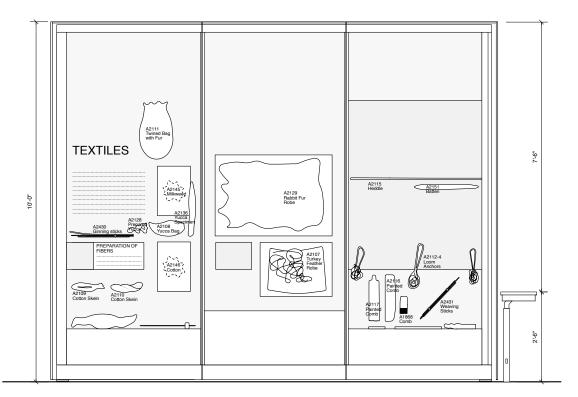
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WS5	May 23, 2007
WS4	April 12, 2007
No. / Issue Na	me / Date

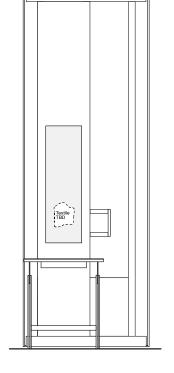
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No. / Issue N	Name / Date	

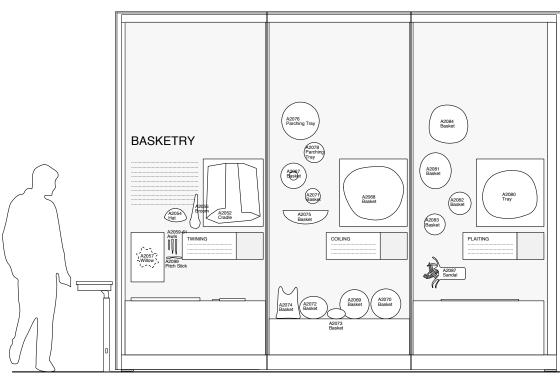
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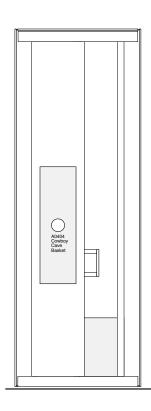
Date Project No. Nov. 3, 2008 0275 Sheet No. Scale* 3/4"=1'-0" X3-FP-5.60











ELEVATION SCALE: 3/4"= 1'-0"

ELEVATION SCALE: 3/4"= 1'-0"

ELEVATION SCALE: 3/4"= 1'-0"

ELEVATION

1. SEE X-TYP-1.00 FOR GLASS CASE SCHEDULE AND TYP. CASE DWGS FOR BRACKET & PANEL DTLS 2. SEE CASEWORK SPECIFICATIONS

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner
UMNH 1390 East President's Circle Salt Lake City, Utah 84112 801.581.6927 tel.

Architect of Record Gillies Stransky Brems Smith 375 West 200 South Salt Lake City, Utah 801.521.8600 tel.

Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Electrical/AV Engineer

Exhibit Construction Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

Key Plan

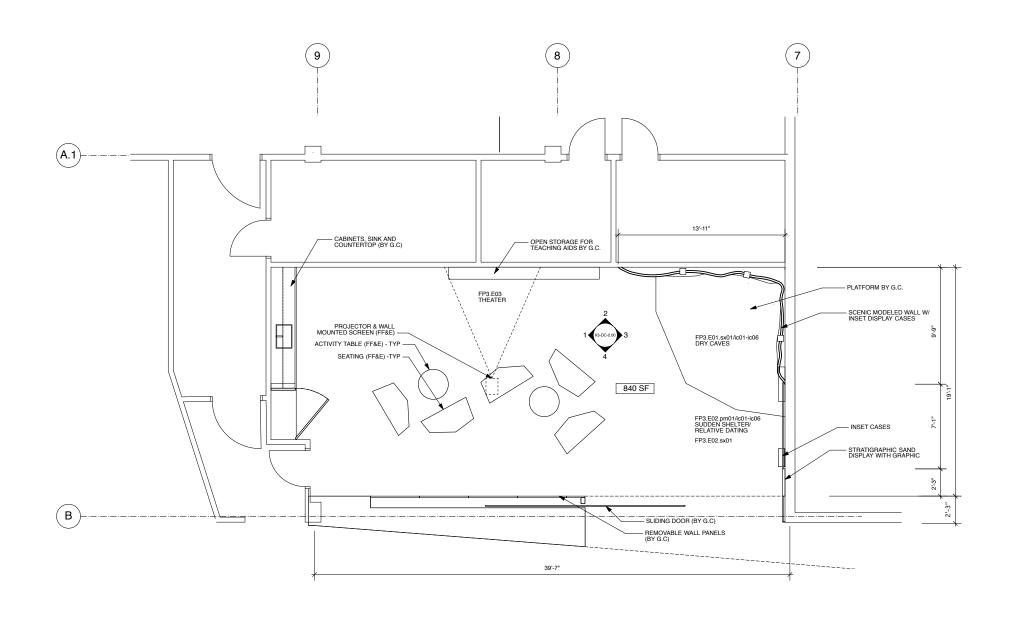
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	WS5	May 23, 2007
	WS4	April 12, 2007

No. / Issue Name / Date

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	FD WS3	Oct.16, 2008
	No / Issue N	Jame / Date

Sheet Title Exhibit Case Layouts FP5.E01.ca07

Date Project No. Nov. 3, 2008 0275 Sheet No.



UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Electrical/AV Engineer

Landscape Architect

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



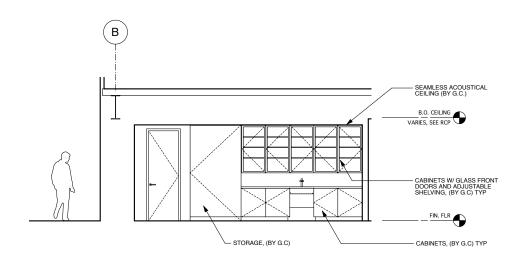
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	WS5	May 23, 2007
	WS4	April 12, 2007

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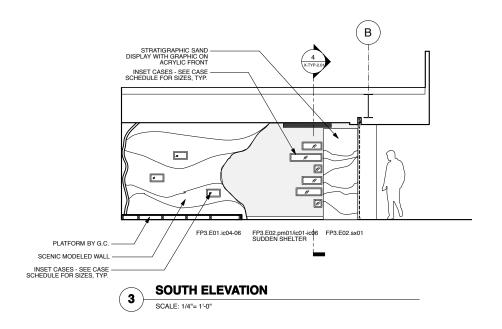
Sheet Title Level 3 RCP: Danger Cave Lab Feb. 6, 2008

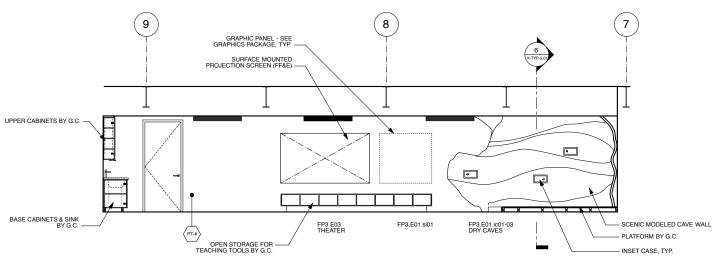
Project No. 0275 Sheet No.

X3-DC-1.00

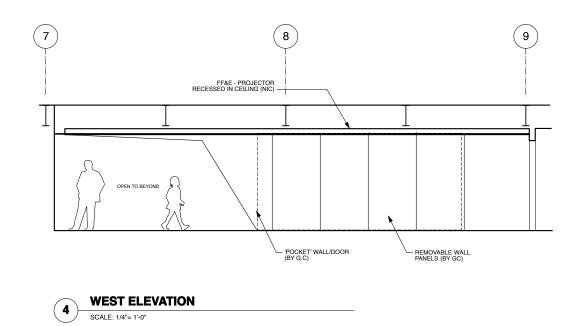








EAST ELEVATION SCALE: 1/4"= 1'-0"



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UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Design Architect

Architect of Record

Structural Engineer

Mechanical/Plumbing/FP Engineer

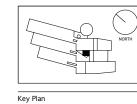
Electrical/AV Engineer

Design Workshop, Inc. 1796 Prospector Avenue Park City, Utah 84060 435.655.0915 tel.

Branston Partnership 122 West 26th Street New York, NY 10001 212.924.4050 tel.

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



FD WS2 Sept.9, 2008 100% DD June 2, 2008 XG 60% CD May 5, 2008 WS4 April 12, 2007 No. / Issue Name / Date

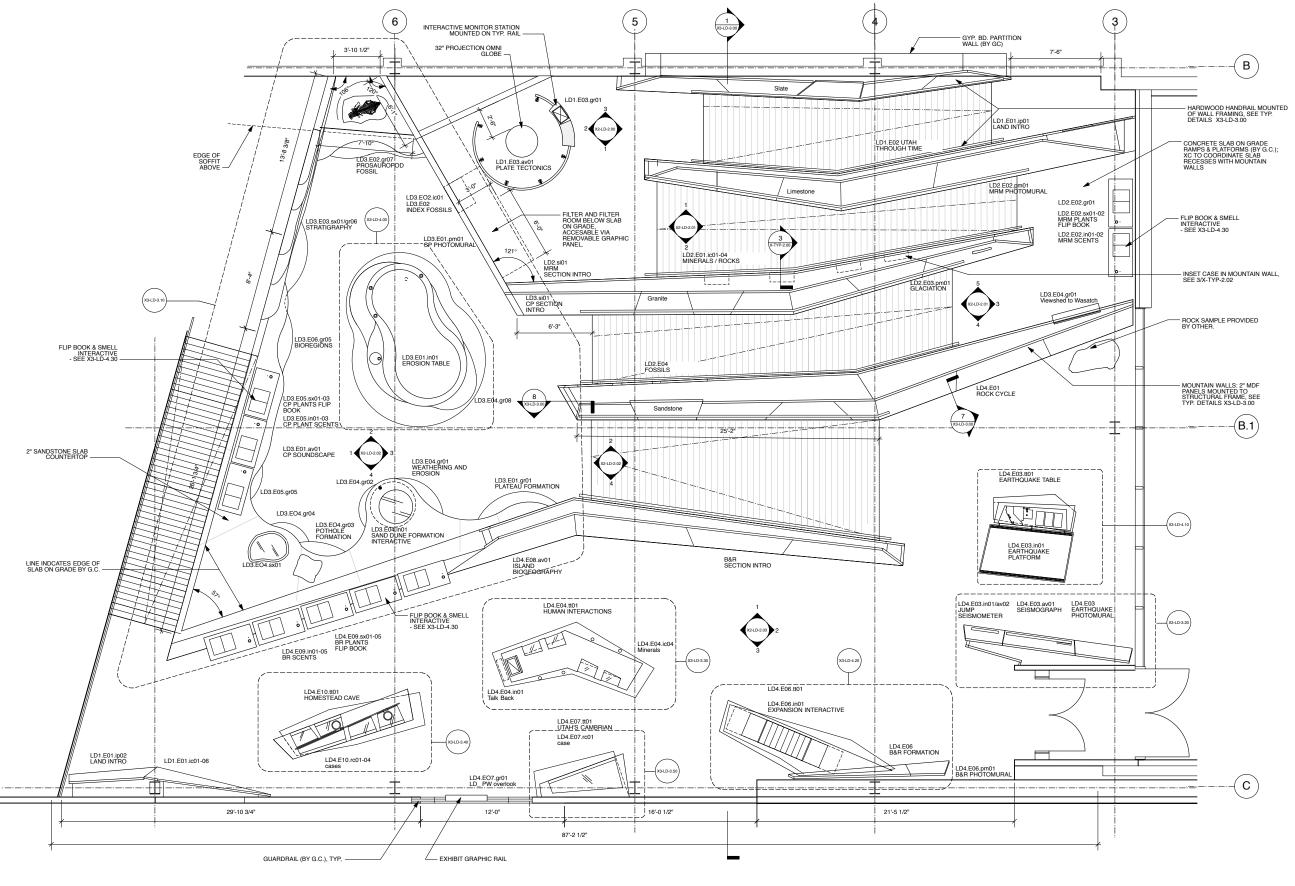
Sheet Title Level 3 Elevations: Danger Cave Dec. 19, 2008 0275 Sheet No.

1/4"=1'-0"

FD WS3 Oct.16, 2008

No. / Issue Name / Date

X3-DC-2.00 *Note: Scale Given for Full Size Drawing Sheet (22" x 34")



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Design Architect

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Electrical/AV Engineer

Landscape Architect Branston Partnership 122 West 26th Street New York, NY 10001 212.924.4050 tel.

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction

NORTH	

FD WS2rev	Sept.22, 2008
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WS8	Feb. 20, 2008
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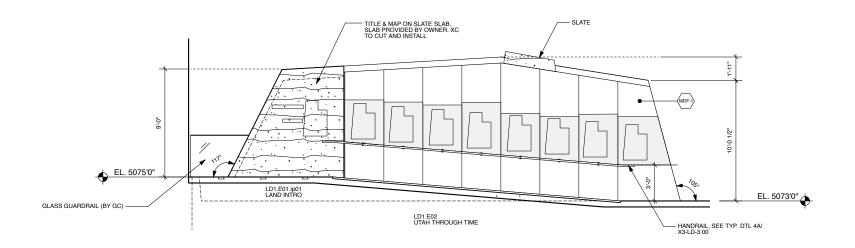
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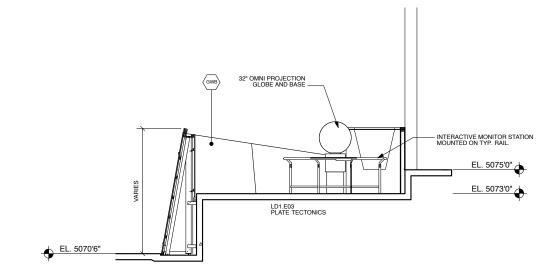
Level 3 Partial Plan: The Land Observatory

Dec. 19, 2008 0275 Sheet No.

X3-LD-1.00 *Note: Scale Given for Full Size Drawing Sheet (22" x 34")

1. XC. TO FIELD MEASURE EXIBT. CONDITIONS PRIOR TO START OF FABRICATION 2. XC TO COORDINATE EXHIBIT LOCATIONS W/ BASE BUILDING CONCRETE SEAMING

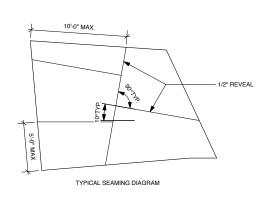




NORTH ELEVATION MID.ROCKY MOUNTAINS

WEST ELEVATION MID. ROCKY MOUNTAINS SCALE: 1/4"= 1'-0"

(3) 5 **4**) 6 EL. 5075'0" EL. 5073'0" LD1.E03 PLATE TECTONICS LD2.E01.qt01 MDF PANEL SEAM, TYP. HAND RAIL - SEE TYP. DTL 4B ON X3-LD-3.00



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SCALE: 1/4"= 1'-0"

Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

EAST ELEVATION MID. ROCKY MOUNTAINS

Landscape Architect

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

Key Plan

FD WS2rev	Sept.22, 2008
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100% DD	June 2, 2008
XG 60% CD	
WS9	March. 26, 2008
WS8	Feb. 20, 2008
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WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007
No. / Issue Nar	ne / Date

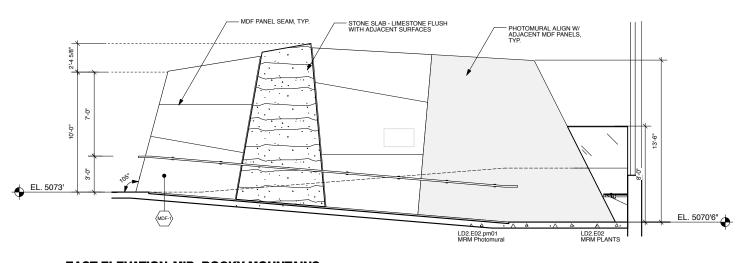
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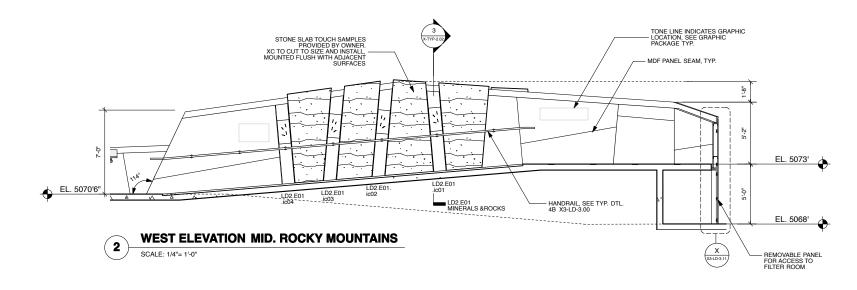
<u>-</u>		ections & Elevations Observatory - MRM
	Date	Project No.

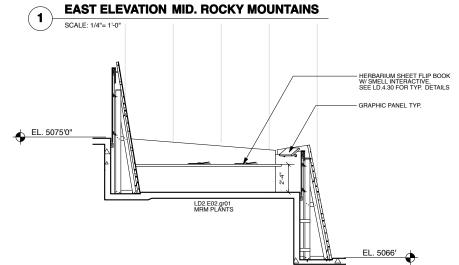
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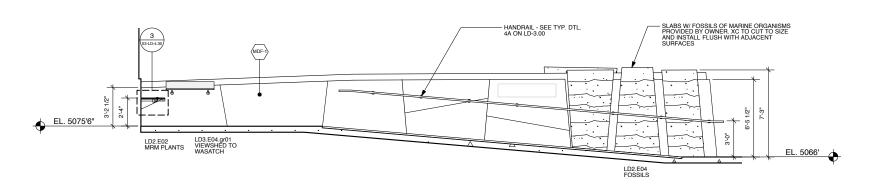
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1. SEE GRAPHIC PACKAGE FOR GRAPHIC PANEL SIZES AND TREATMENTS 2. SEE STONE CLADDING SPECIFICATIONS FOR ADDITIONAL INFO 3. X.C. TO SURVEY SITE PRIOR TO SHOP DRAWINGS & FABRICATIO



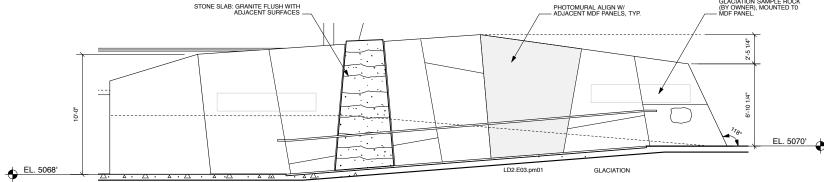






SOUTH ELEVATION MID. ROCKY MOUNTAINS (3) SCALE: 1/4"= 1'-0"

PHOTOMURAL ALIGN W/ ADJACENT MDF PANELS, TYP.



EAST ELEVATION MID. ROCKY MOUNTAINS (5)

NOTES:

1. SEE GRAPHIC PACKAGE FOR GRAPHIC PANEL SIZES AND TREATMENTS 2. SEE STONE CLADDING SPECIFICATIONS FOR ADDITIONAL INFO 3. X.C. TO SURVEY SITE PRIOR TO SHOP DRAWINGS & FABRICATION

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

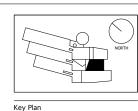
Landscape Architect

Lighting

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

Exhibit Construction



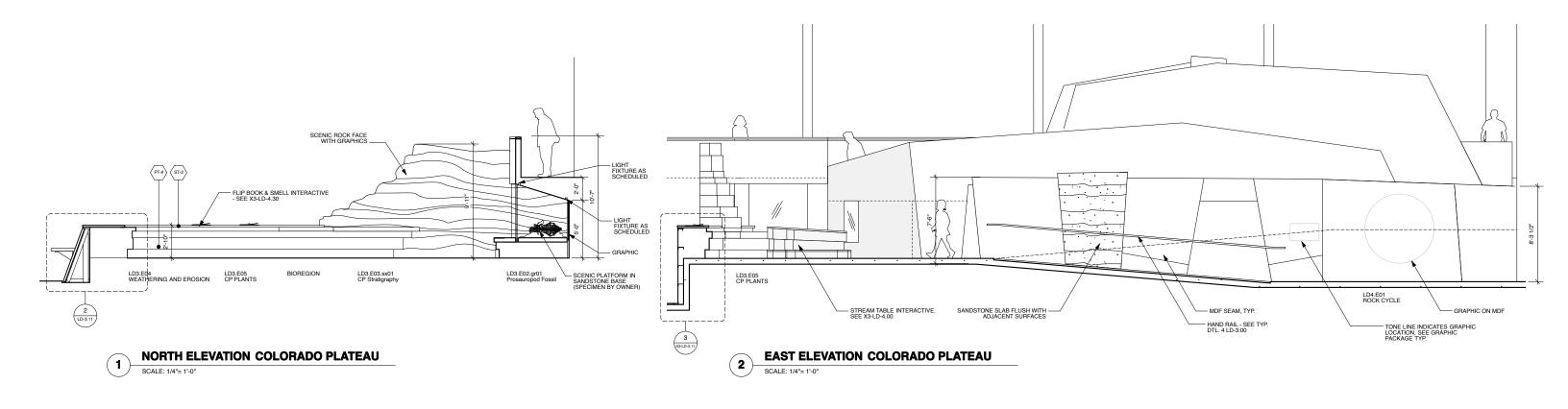
WEST ELEVATION MID. ROCKY MOUNTAINS

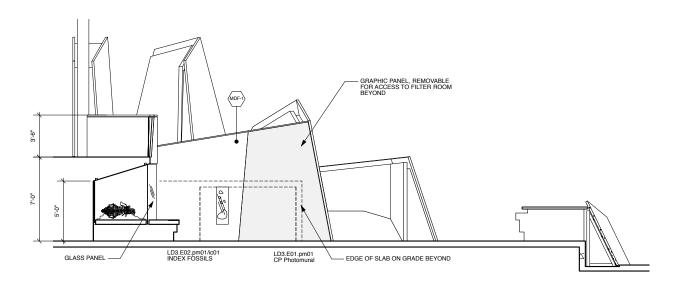
SCALE: 1/4"= 1'-0"

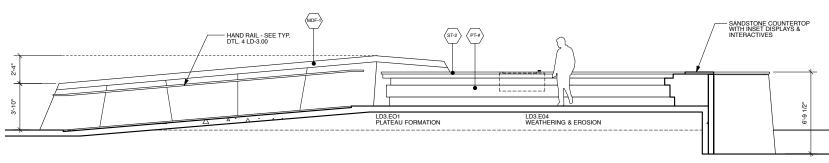
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WS7	Dec. 18, 2007
50% DD	Sept. 18, 2007
WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007
No. / Issue Nar	ne / Date

Level 3 Sections & Elevations: The Land Observatory - MRM

Dec. 19, 2008 Sheet No. X3-LD-2.01







SOUTH ELEVATION COLORADO PLATEAU SCALE: 1/4"= 1'-0"

WEST ELEVATION COLORADO PLATEAU SCALE: 1/4"= 1'-0"

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

SEE GRAPHIC PACKAGE FOR GRAPHIC PANEL SIZES AND TREATMENTS
 SEE STONE CLADDING SPECIFICATIONS FOR ADDITIONAL INFO
 3. X.C. TO SURVEY SITE PRIOR TO SHOP DRAWINGS & FABRICATION

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner
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Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Landscape Architect

Lighting

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.



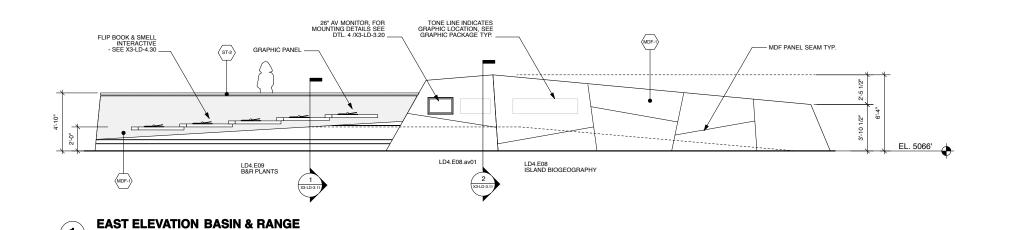
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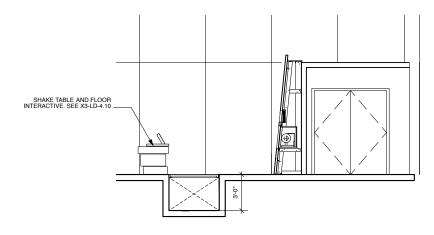
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Dec. 18, 2007	
DD Sept. 18, 2007	
July 11, 2007	80% FD Dec.19, 20
May 23, 2007	FD WS4 Nov.18, 2
April 12, 2007	FD WS3 Oct.16, 20
sue Name / Date	No. / Issue Name / Date

Sheet Title
Level 3 Sections & Elevations
The Land Observatory - CP

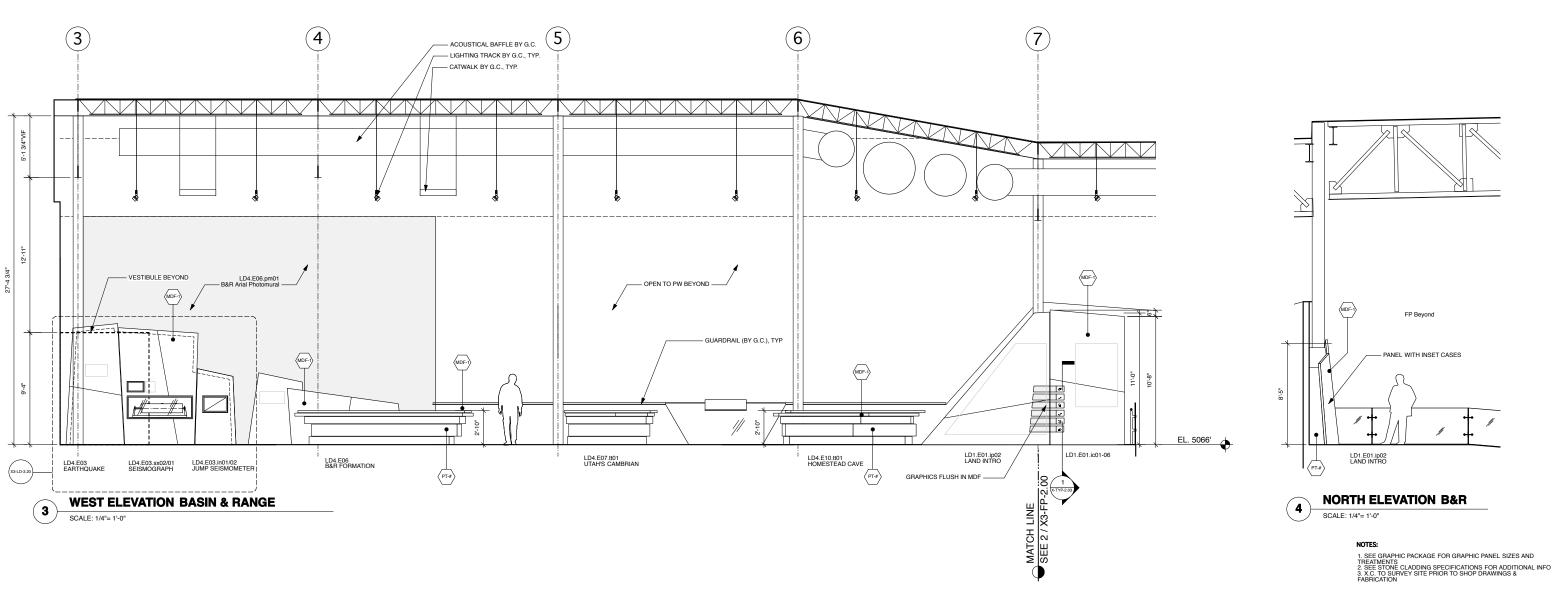
Dec. 19, 2008 Sheet No.

X3-LD-2.02





SOUTH ELEVATION BASIN & RANGE



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UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

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Salt Lake City, Utah 84112

Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

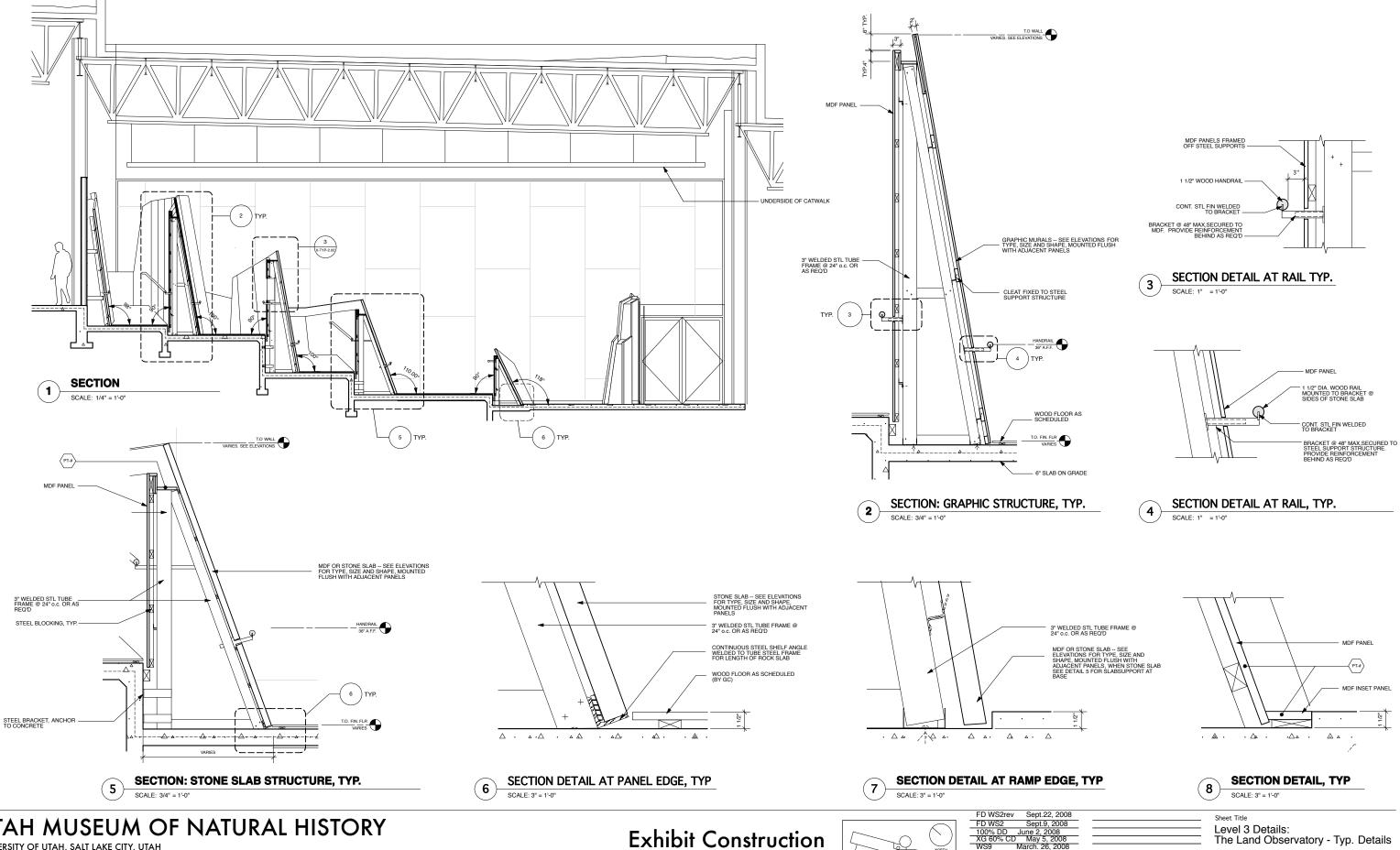
Exhibit Construction Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel. Key Plan

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$\sim $	XG 60% CD
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2007	80% FD	Dec.19, 2008	
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, 2007	FD WS3	Oct.16, 2008	
	No. / Issue N	Name / Date	

	FABRICATION	PHIOR TO SHOP DRAWINGS &
		ns & Elevations ervatory - B&R
	Date	Project No.
	Dec. 19, 2008	0275
Dec.19, 2008 Nov.18, 2008	Scale*	Sheet No.
Oct.16, 2008	1/4"=1'-0"	X3-I D-2

PANEL WITH INSET CASES



UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Gillies Stransky Brems Smith 375 West 200 South Salt Lake City, Utah 801.521.8600 tel.

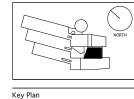
New York, New York 10004 212.750.9000 tel.

Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

Spectrum Engineers 175 South Main Street Salt Lake City, Utah 84111 800.678.7077 tel

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

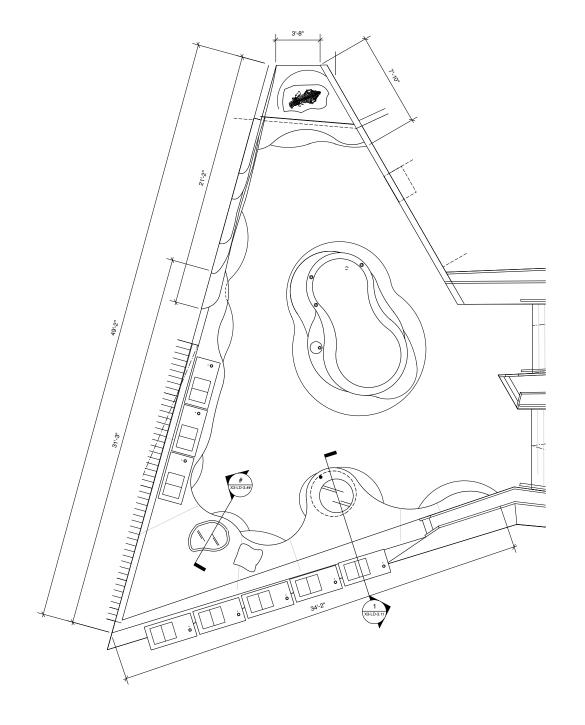
Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



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WS8	Feb. 20, 2008
WS7	Dec. 18, 2007
50% DD	Sept. 18, 2007
WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007
No. / Issue Nar	ne / Date

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FD WS4	Nov.18, 2008	
FD WS3	Oct.16, 2008	

Dec. 19, 2008 Sheet No. X3-LD-3.00



- NOTES:

 1. CP MILLWORK DTL. PLAN TO BE PROVIDED BY EXHIBIT DESIGNER

 2. X.C. TO SURVEY SITE CONDITIONS PRIOR TO SHOP DRAWINGS AND FABRICATION

CP DETAIL PLAN: SANDSTONE COUNTERTOP SCALE: 1/4"= 1'-0"

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

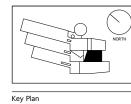
Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



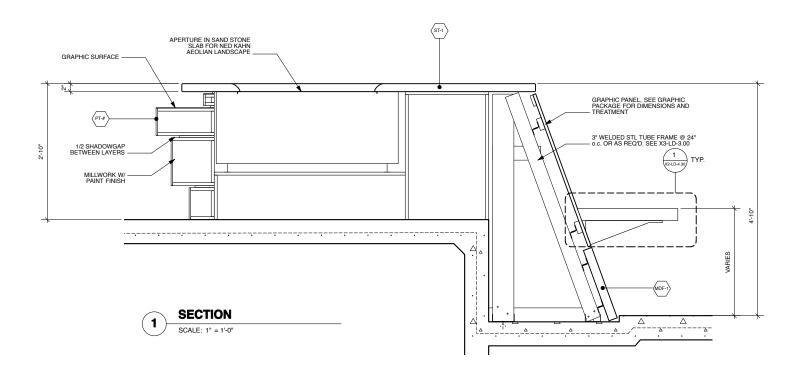
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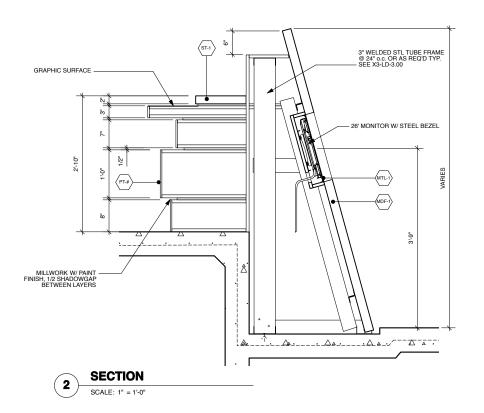
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50% DD	Sept. 18, 2007			Dec. 19, 2008
WS6	July 11, 2007	80% FD	Dec.19, 2008	Scale*
WS5	May 23, 2007	FD WS4	Nov.18, 2008	
WS4	April 12, 2007	FD WS3	Oct.16, 2008	1"=1'-0"

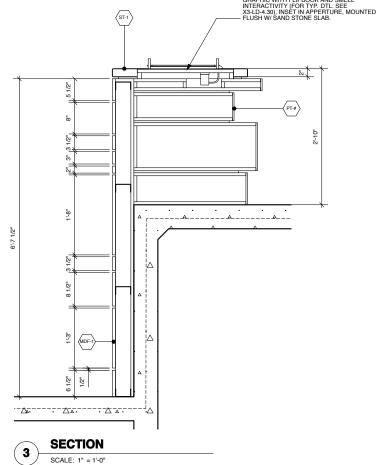
No. / Issue Name / Date

vatory - CP Dtl. Plan Project No. 0275 Sheet No.

X3-LD-3.10







UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

UMNH 1390 East President's Circle Salt Lake City, Utah 84112 801.581.6927 tel.

Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

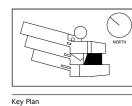
Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

Lighting

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel. Branston Partnership 122 West 26th Street New York, NY 10001 212.924.4050 tel.

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

Exhibit Construction



	FD WS2rev	Sept.22, 2008
	FD WS2	Sept.9, 2008
١l	100% DD	June 2, 2008
/	XG 60% CD	
		March. 26, 2008
	WS8	Feb. 20, 2008
	WS7	Dec. 18, 2007
	50% DD	Sept. 18, 2007
	WS6	July 11, 2007
	WS5	May 23, 2007
	WS4	April 12, 2007
	No. / Issue Nan	ne / Date

Sheet Title Level 3 Details: The Land Observatory - Typ. Details Date Dec. 19, 2008 80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008

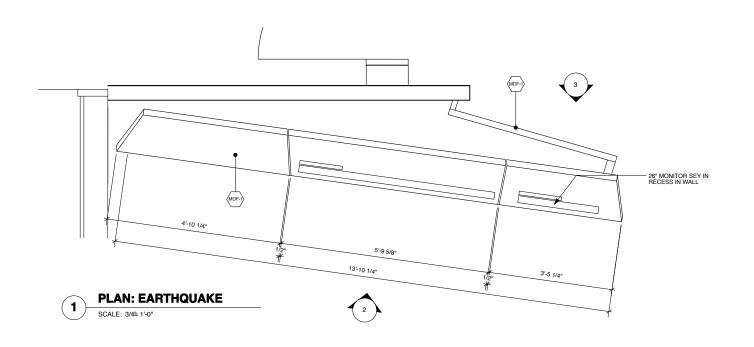
No. / Issue Name / Date

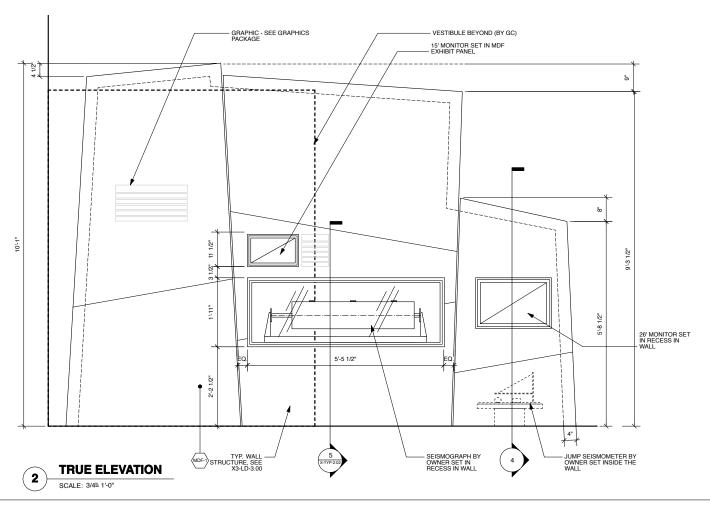
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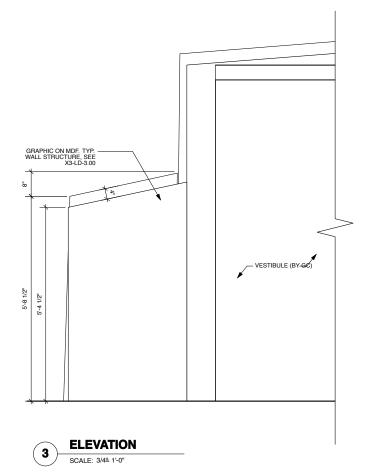
Project No.

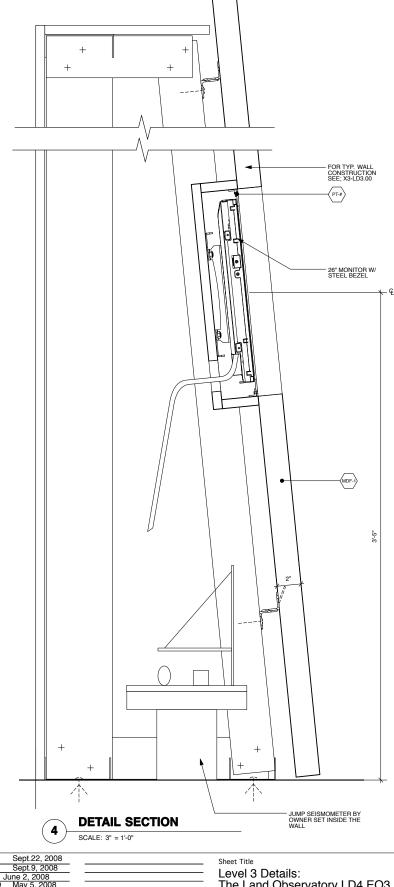
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X3-LD-3.11









UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

UMNH 1390 East President's Circle Salt Lake City, Utah 84112 801.581.6927 tel.

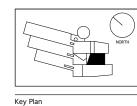
Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

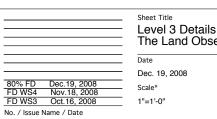
BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction

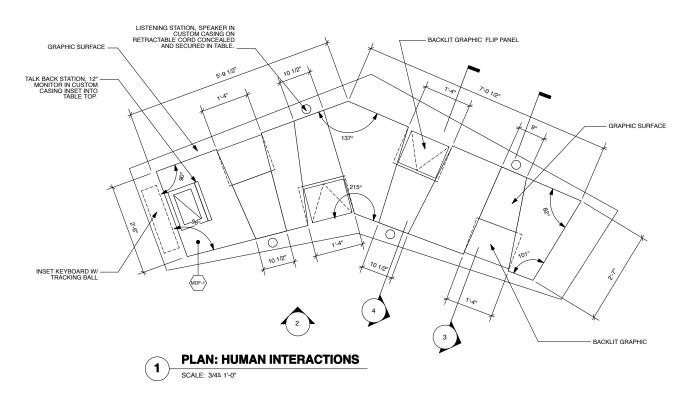
Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

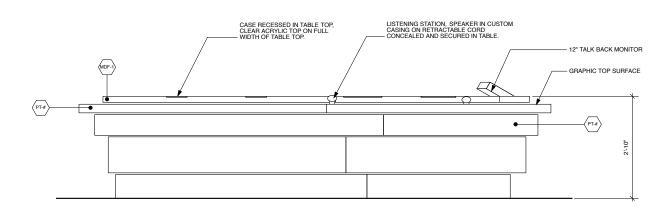


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	100% DD	June 2, 2008
	XG 60% CD	
	WS9	March. 26, 2008
	WS8	Feb. 20, 2008
	WS7	Dec. 18, 2007
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	WS6	July 11, 2007
	WS5	May 23, 2007
	WS4	April 12, 2007
	No. / Jeaus Non	/ D-+-

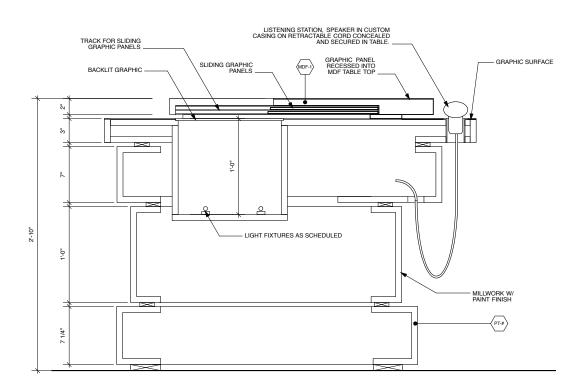


Level 3 Details: The Land Observatory LD4.EO3 Project No. Sheet No. X3-LD-3.20

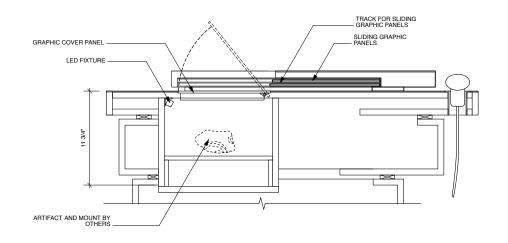








DETAIL SECTION SCALE: 2"= 1'-0"



DETAIL SECTION

NOTES:

1. ALL CORNERS ON TABLE TOP AND BASE TO HAVE A SMALL MITER

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner
UMNH 1390 East President's Circle Salt Lake City, Utah 84112

Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

Lighting Branston Partnership 122 West 26th Street New York, NY 10001 212.924.4050 tel. BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



NORTH	FD WS 100% XG 60 WS9 WS8 WS7
	50% D WS6 WS5 WS4
	No. / Issu

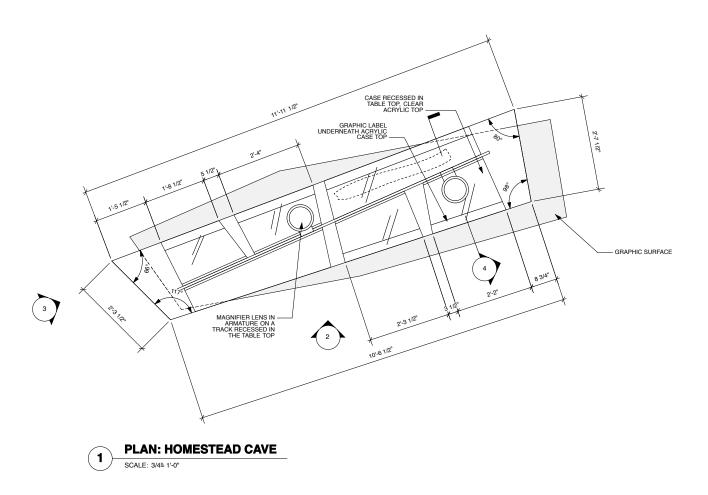
80% FD Dec.19, 20
FD WS4 Nov.18, 20
FD WS3 Oct.16, 20
No. / Issue Name / Date

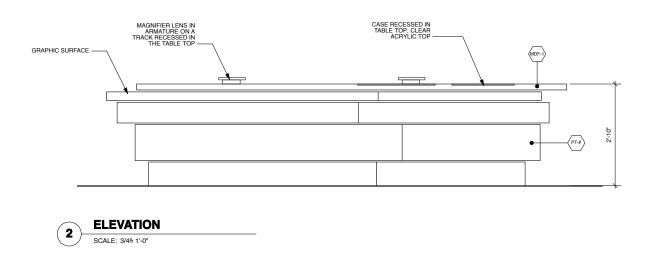
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		Date
		Dec. 19, 2
6 FD	Dec.19, 2008	Scale*
WS4	Nov.18, 2008	Scale
WS3	Oct.16, 2008	1"=1'-0"

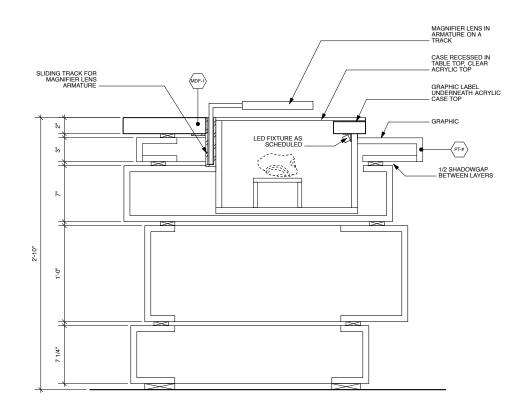
3 Details: and Observatory - LD4.E04.tt01 Project No.

0275 Sheet No. X3-LD-3.30

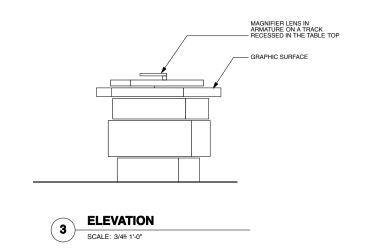
*Note: Scale Given for Full Size Drawing Sheet (22" x 34")











NOTES:

1. ALL CORNERS ON TABLE TOP AND BASE TO HAVE A SMALL MITER

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner
UMNH 1390 East President's Circle Salt Lake City, Utah 84112 801.581.6927 tel.

Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



	FD WS2rev	Sept.22, 2008
$\overline{}$	FD WS2	Sept.9, 2008
. 11	100% DD	June 2, 2008
71	XG 60% CE	
RTH	WS9	March. 26, 2008
	WS8	Feb. 20, 2008
	WS7	Dec. 18, 2007
	50% DD	Sept. 18, 2007
	WS6	July 11, 2007
	WS5	May 23, 2007
	WS4	April 12, 2007
	No. / Issue Nar	ne / Date

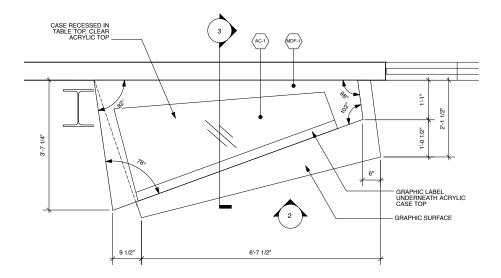
800		
08		
8		
08		
3		
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07		
7	80% FD	Dec.19, 2008
)7	FD WS4	Nov.18, 2008
)7	FD WS3	Oct.16, 2008
	No. / Issue I	Name / Date

____ Sheet Title Level 3 Details: The Land Observatory - LD4.E10.tt01

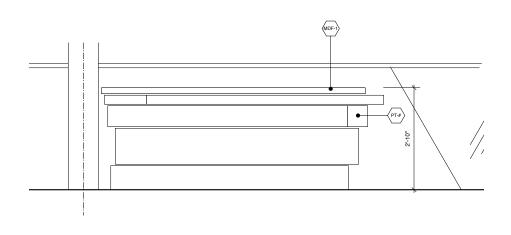
Date Project No. Dec. 19, 2008 Scale* Sheet No.

*Note: Scale Given for Full Size Drawing Sheet (22" x 34")

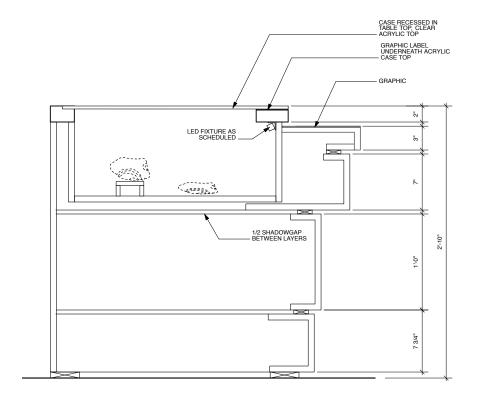
X3-LD-3.40













NOTES:

1. ALL CORNERS ON TABLE TOP AND BASE TO HAVE A SMALL MITER

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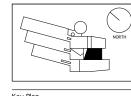
UMNH 1390 East President's Circle Salt Lake City, Utah 84112 801.581.6927 tel.

Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

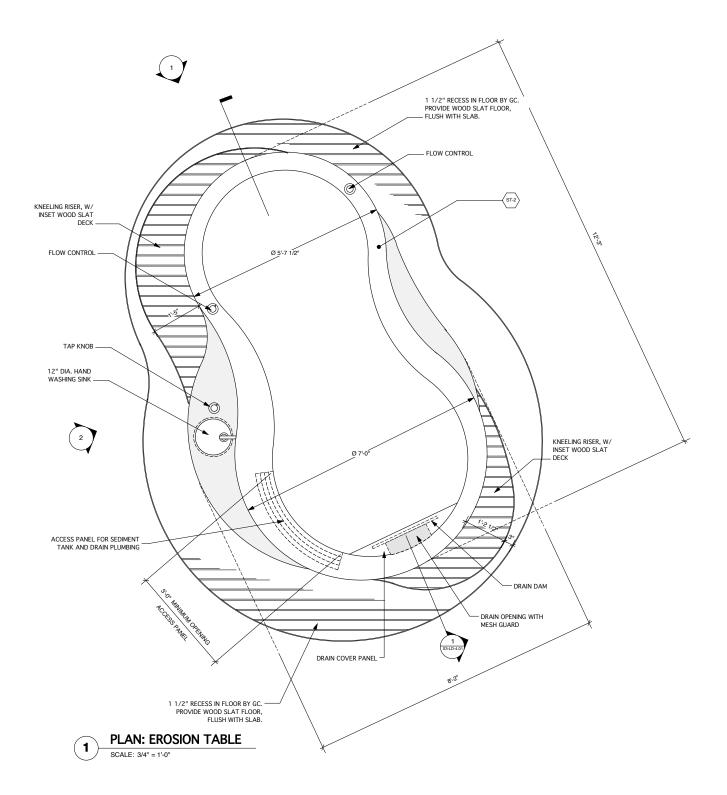


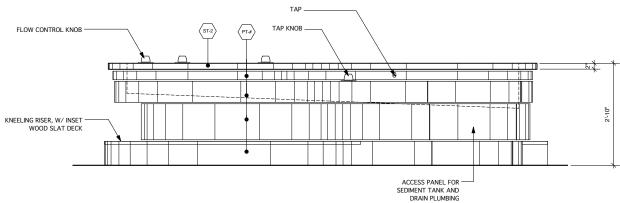
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/	XG 60% CD	
		March. 26, 2008
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	WS7	Dec. 18, 2007
	50% DD	Sept. 18, 2007
	WS6	July 11, 2007
	WS5	May 23, 2007
	WS4	April 12, 2007
	No. / Issue Nan	ne / Date

80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008 No. / Issue Name / Date

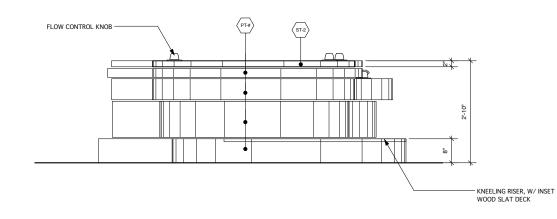
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*Note: Scale Given for Full Size Drawing Sheet (22" x 34")











UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner	
UMNH 1390 East Pres Salt Lake City, 801.581.6927 to	Utah 84112

Design Architect

Structural Engineer Mechanical/Plumbing/FP Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel. Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

Electrical/AV Engineer Spectrum Engineers 175 South Main Street Salt Lake City, Utah 84111 800.678.7077 tel

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

NORTH
 Key Plan

FD WS2rev Sept.22, 2008 FD WS2 Sept.9, 2008 WS9 WS8 WS7 50% DD Feb. 20, 2008
Dec. 18, 2007
Sept. 18, 2007

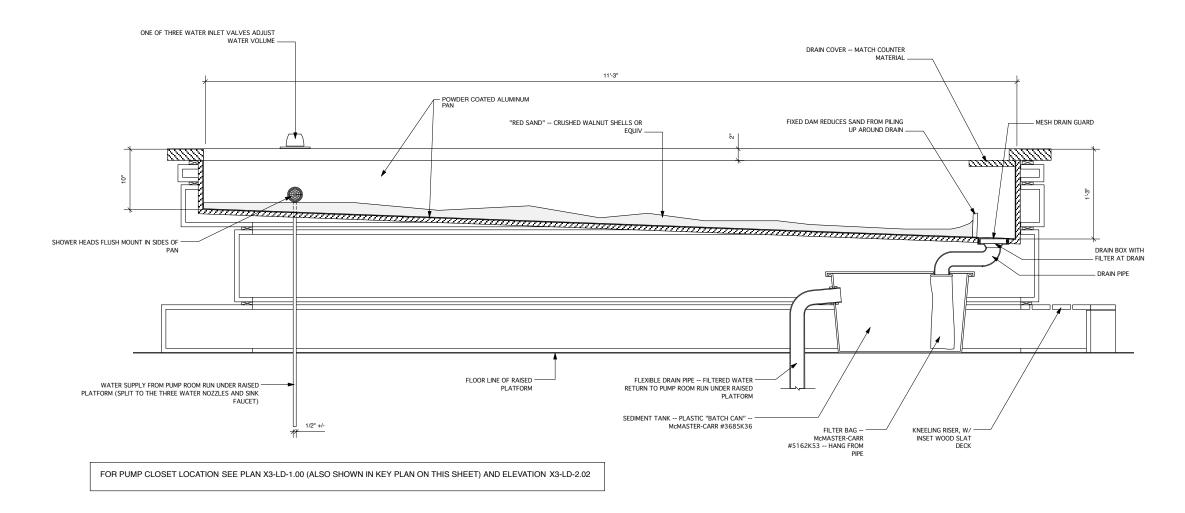
No. / Issue Name / Date

Level 3 Details: The Land Observatory - LD3.E01

No. / Issue Name / Date

0275 Sheet No. X3-LD-4.00

Project No.



DETAIL SECTION SCALE: 1-1/2" = 1'-0"

SYSTEM CRITERIA AND NOTES:

WATER SUPPLY AND RETURN ARE ROUTED UNDER PLATFORM FLOOR TO AND FROM PUMP LOCATED IN A PUMP CLOSET

INTERACTIVE TO BE ENGINEERED FOR RELIABLE OPERATION AS INTENDED AND FOR A FUNCTIONAL LIFE SPAN OF 15 YEARS

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

UMNH 1390 East President's Circle Salt Lake City, Utah 84112 801.581.6927 tel.

Design Architect

Structural Engineer Gillies Stransky Brems Smith 375 West 200 South Salt Lake City, Utah 801.521.8600 tel.

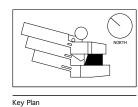
Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Mechanical/Plumbing/FP Engineer Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

Electrical/AV Engineer

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel. Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

Exhibit Construction



FD WS2rev	Sept.22, 2008
FD WS2	Sept.9, 2008
100% DD	June 2, 2008
XG 60% CD	
WS9	March. 26, 2008
WS8	Feb. 20, 2008
WS7	Dec. 18, 2007
50% DD	Sept. 18, 2007
WS6	July 11, 2007 May 23, 2007
WS5	
WSA	April 12 2007

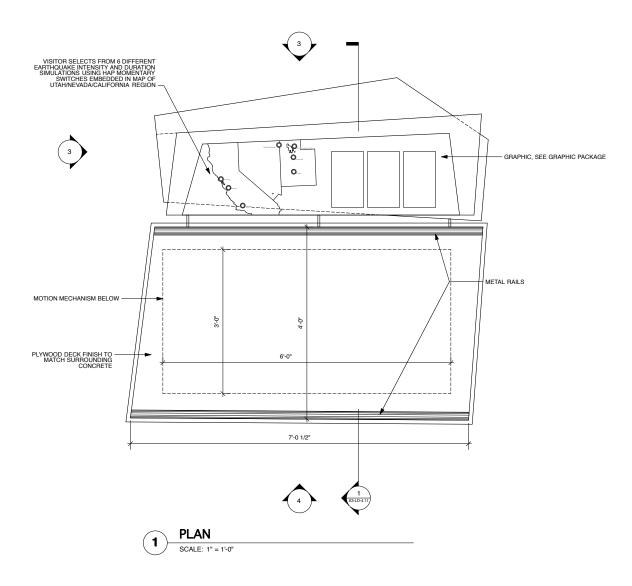
April 12, 2007 No. / Issue Name / Date

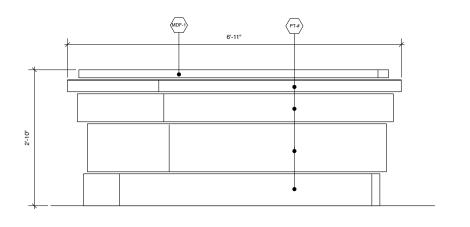
No. / Issue Name / Date

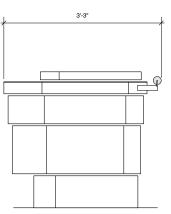
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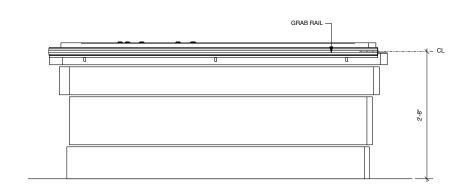
Project No. 0275

X3-LD-4.01













UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner
UMNH 1390 East President's Circle Salt Lake City, Utah 84112 801 581 6927 tol

Design Architect

ELEVATION

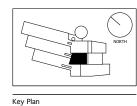
SCALE: 1" = 1'-0"

Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel. Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

Electrical/AV Engineer Spectrum Engineers 175 South Main Street Salt Lake City, Utah 84111 800.678.7077 tel

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



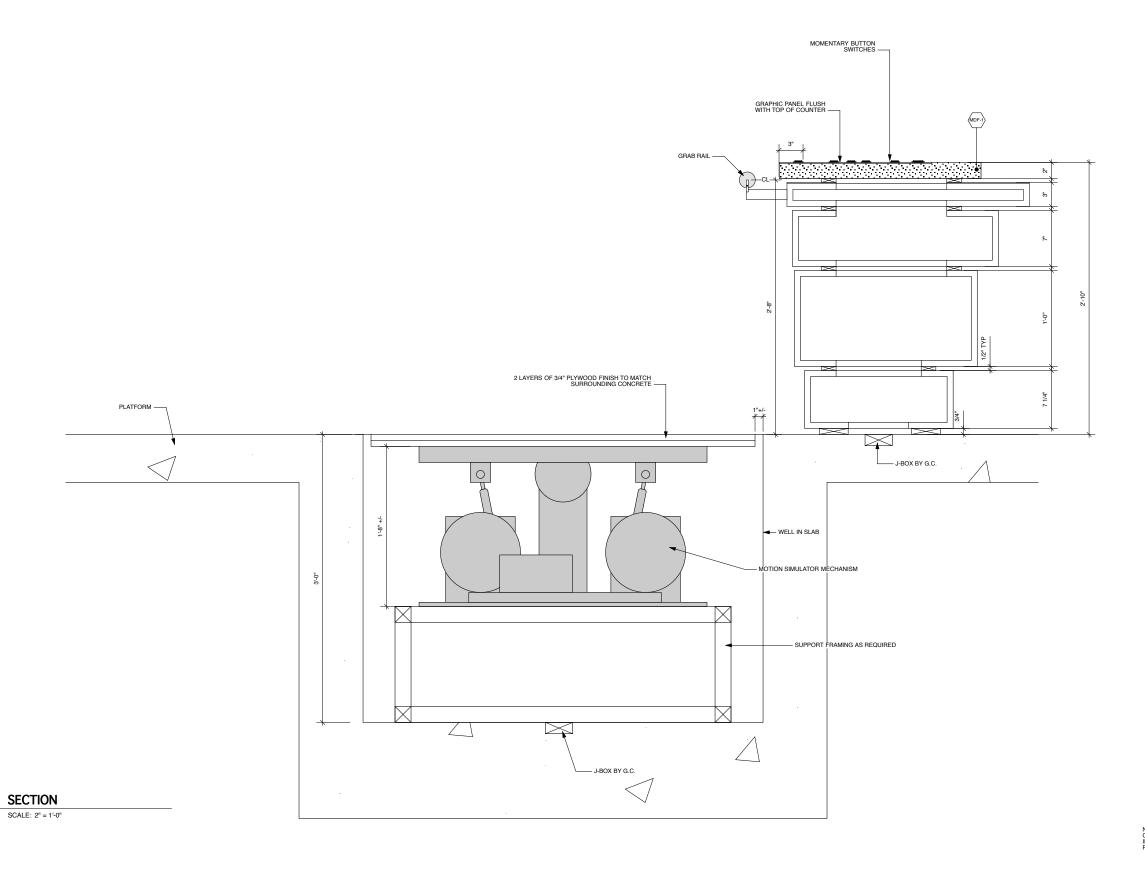
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WS7	Dec. 18, 2007
50% DD	Sept. 18, 2007
WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007

No. / Issue Name / Date

	Sheet Title Level 3 Details The Land Obs	: Shake Platform ervatory
	Date	Project No.
	Dec. 19, 2008	0275
80% FD Dec.19, 2008 FD WS4 Nov.18, 2008	Scale*	Sheet No.
FD WS3 Oct.16, 2008	varies	X3-I D-1

No. / Issue Name / Date

X3-LD-4.10



NOTE: MECHANICAL IDEAS SHOWN ARE INTENDED AS CONCEPTUAL ONLY -- EXHIBIT FABRICATOR TO ENGINEER NTERACTIVE FOR SMOOTH OPERATION AS INTENDED AN FOR A FUNCTIONAL LIFE SPAN OF 15 YEARS

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner UMNH 1390 East President's Circle Salt Lake City, Utah 84112

Polshek Partnership Architects L 320 West 13th Street New York, New York 212.807.7171 tel. Architect of Record

Gillies Stransky Brems Sr
375 West 200 South
Salt Lake City, Utah
801.521.8600 tel.

Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

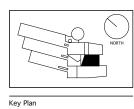
Mechanical/Plumbing/FP Engi Colvin Engineering Associates, 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

certrum Engineers Design Wood South Main Street 1796 Prost Lake City, Utah 84111 83.655.09

Workshop, Inc. E Prospector Avenue 1 ity, Utah 84060 N 5.0915 tel. 2 BBI Engineering, Inc. 241 Ouint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction

Exhibition Planner and Designer
Ralph Appelbaum Associates
88 Pine Street
New York, New York 10005
212.334.8200 tel.



FD WS2	Sept.9, 2008
100% DD	June 2, 2008
XG 60% C	
WS9	March. 26, 2008
WS8	Feb. 20, 2008
WS7	Dec. 18, 2007
50% DD	Sept. 18, 2007
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WS5	May 23, 2007
WS4	April 12, 2007
No. / Iccuo N	ama / Data

FD WS2rev Sept.22, 2008

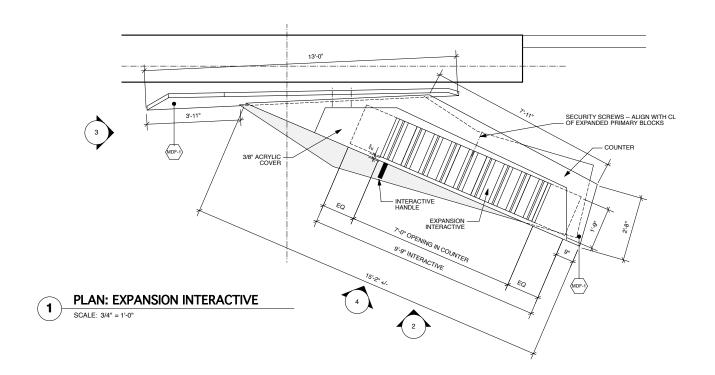
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The Land Observatory

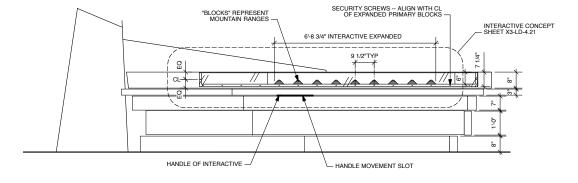
Date Project No.
Dec. 19, 2008 0275

Dec. 19, 2008 0275

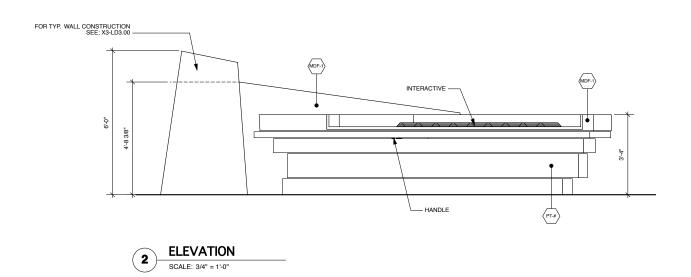
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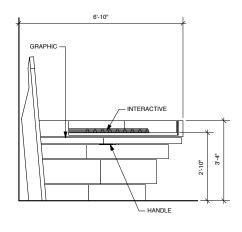
Sign Nov. 18, 2008 varies X3-LD-4.11











ELEVATION SCALE: 3/4" = 1'-0"

NOTES:

1. ALL CORNERS ON TABLE TOP AND BASE TO HAVE MITERED EDGES

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Design Architect

Architect of Record

Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Mechanical/Plumbing/FP Engineer Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

Electrical/AV Engineer Spectrum Engineers 175 South Main Street Salt Lake City, Utah 84111 800.678.7077 tel

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

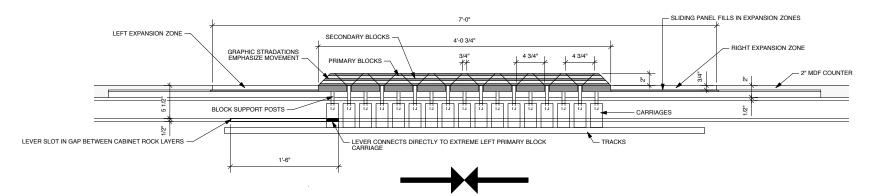
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XG 60% CE	
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WS8	Feb. 20, 2008
WS7	Dec. 18, 2007
50% DD	Sept. 18, 2007
WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007

FD WS2rev	Sept.22, 2008		
FD WS2	Sept.9, 2008	_ :	
100% DD	June 2, 2008		
XG 60% CE			
WS9	March. 26, 2008		
WS8	Feb. 20, 2008		
WS7	Dec. 18, 2007		
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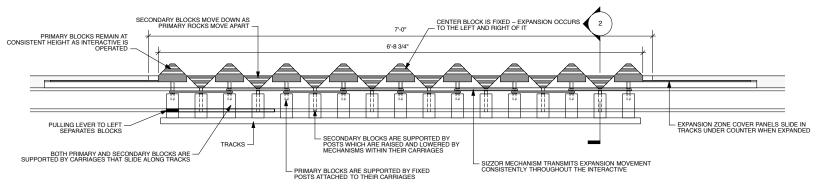
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The Land Observatory - LD4.E06 Date Project No.

Dec. 19, 2008 Sheet No.

X3-LD-4.20 No. / Issue Name / Date

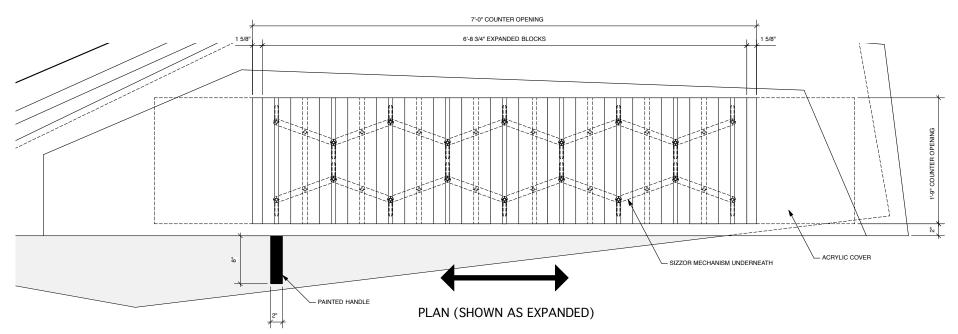


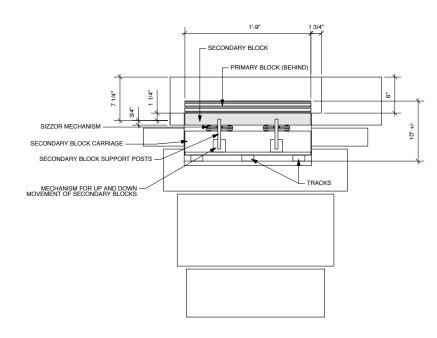
1. START CONFIGURATION





2. EXPANDED CONFIGURATION





SECTION

SCALE: 1/2" = 1'-0"

NOTE: WHEN THE INTERACTIVE IS IDLE IT IS IN THE CONTRACTED CONFIGURATION -- EXPANSION OCCURS WHEN A VISITOR MOVES THE HANDLE TO THE LEFT -- AFTER EXPANSION THE INTERACTIVE TO AUTOMATICALLY RESET TO THE CONTRACTED POSITION BY EITHER HYDRAULIC OR ELECTROMECHANICAL MEANS -- THE RESET SHOULD OCCUR SLOWLY AND SMOOTHLY

NOTE: MECHANICAL IDEAS SHOWN ARE INTENDED AS CONCEPTUAL ONLY -- EXHIBIT FABRICATOR TO ENGINEER INTERACTIVE FOR SMOOTH OPERATION AS INTENDED AND FOR A FUNCTIONAL LIFE SPAN OF 15 YEARS

OPERATION DETAIL SCALE: 1-1/2" = 1'-0"

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UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Design Architect

Architect of Record

Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Mechanical/Plumbing/FP Engineer Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

Electrical/AV Engineer

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibition Planner and Designer Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



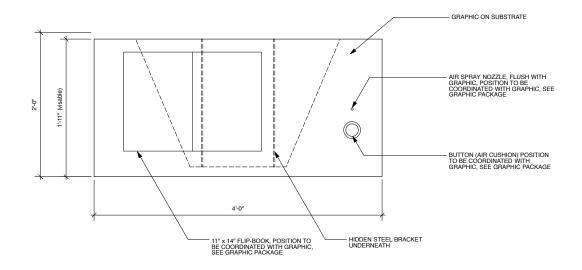
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FD WS2	Sept.9, 2008
100% DD	June 2, 2008
XG 60% CD	
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WS8	Feb. 20, 2008
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WS5	May 23, 2007
WS4	April 12 2007

No. / Issue Name / Date

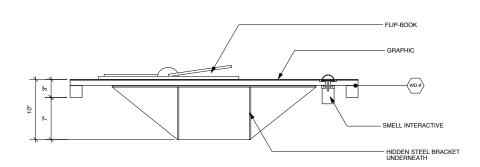
No. / Issue Name / Date

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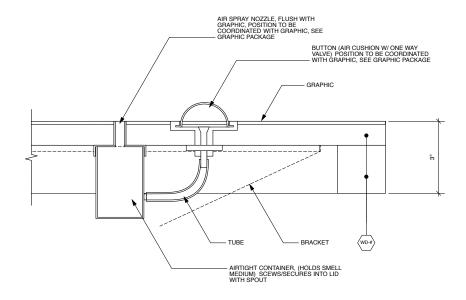
Sheet No. X3-LD-4.21



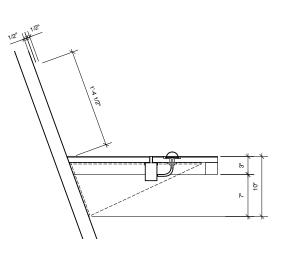




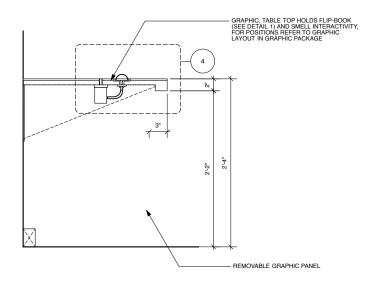














UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Design Architect

Architect of Record

Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Mechanical/Plumbing/FP Engineer Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

Electrical/AV Engineer Spectrum Engineers 175 South Main Street Salt Lake City, Utah 84111 800.678.7077 tel

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibition Planner and Designer Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



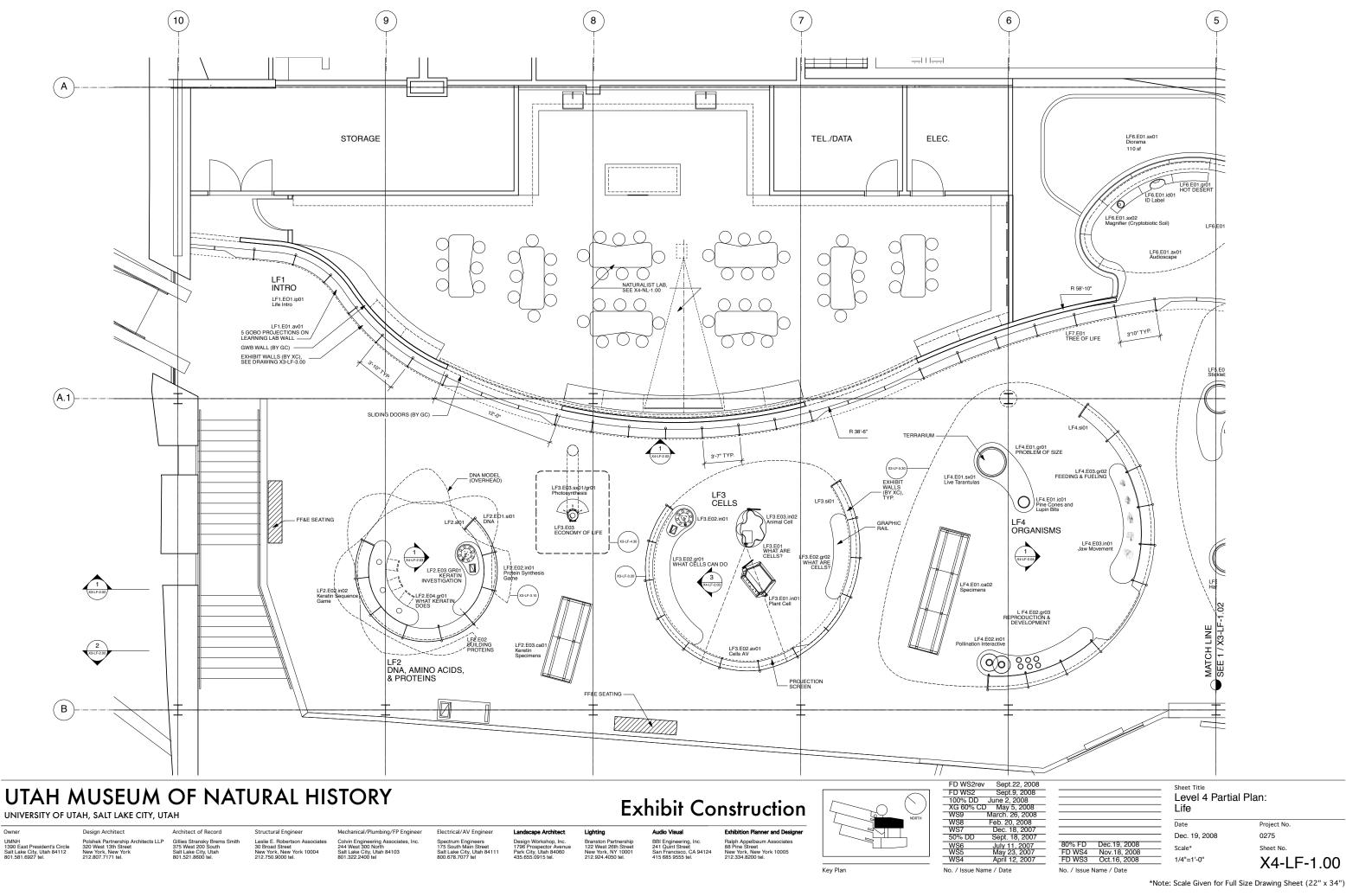
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	FD WS2	Sept.9, 2008
\wedge \cap		June 2, 2008
\ /	XG 60% CD	May 5, 2008
NORTH		March. 26, 200
]	WS8	Feb. 20, 2008
' l	WS7	Dec. 18, 2007
¬	50% DD	Sept. 18, 200
_	WS6	July 11, 2007 May 23, 2007
	WS5	
	WS4	April 12, 2007
	No. / Issue Nam	e / Date

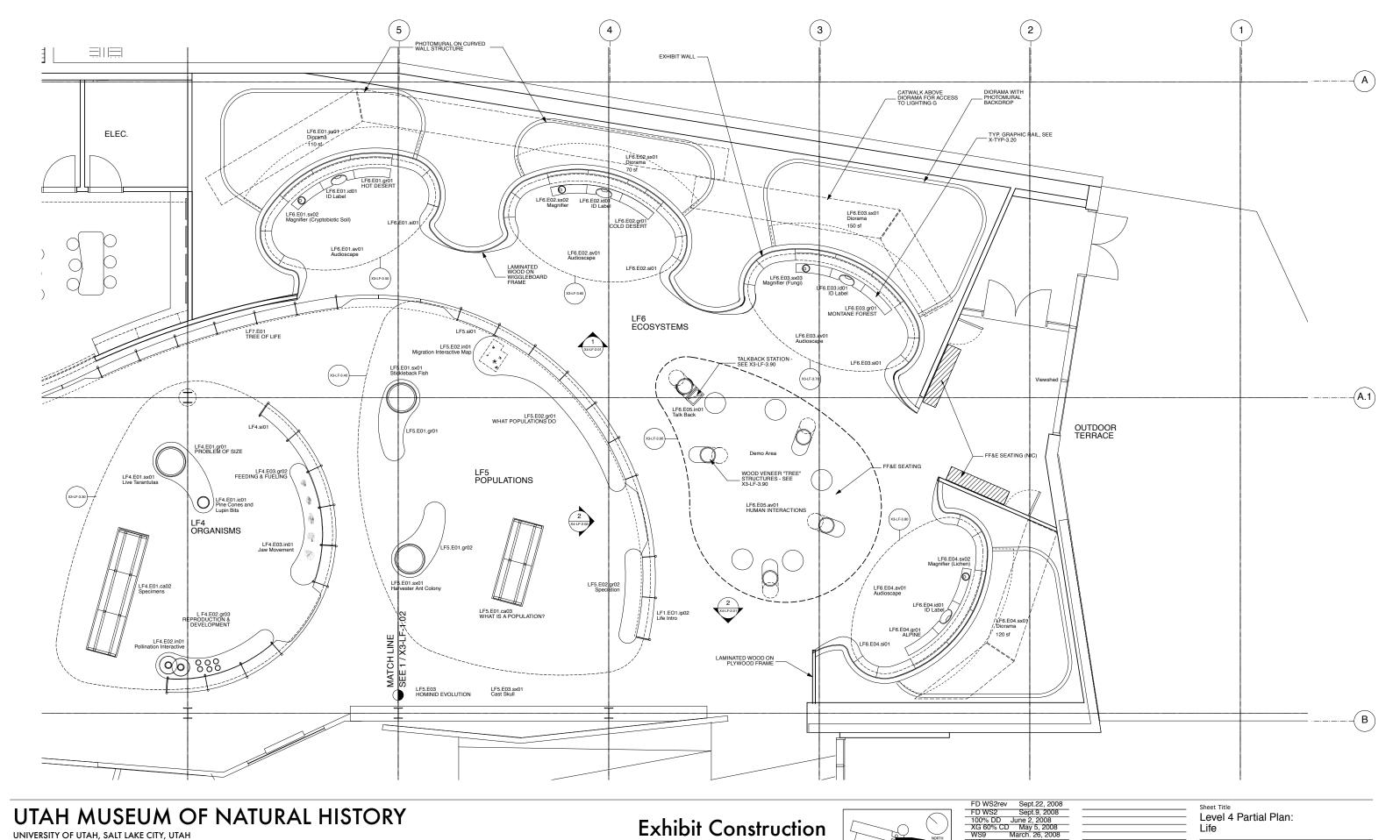
pt.22, 2008		
pt.9, 2008		
2, 2008 ny 5, 2008		
1. 26, 2008		
20, 2008		
. 18, 2007	· ·	
t. 18, 2007	,	
11, 2007	80% FD	Dec.19, 20
23, 2007	FD WS4	Nov.18, 20
l 12, 2007	FD WS3	Oct.16, 20
ite	No. / Issue I	Name / Date

Sheet Title
Level 3 Details: Plant Smell Interactive / Flip-book Project No.

Dec. 19, 2008 Sheet No.

X3-LD-4.30





Dec. 19, 2008

No. / Issue Name / Date

FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008

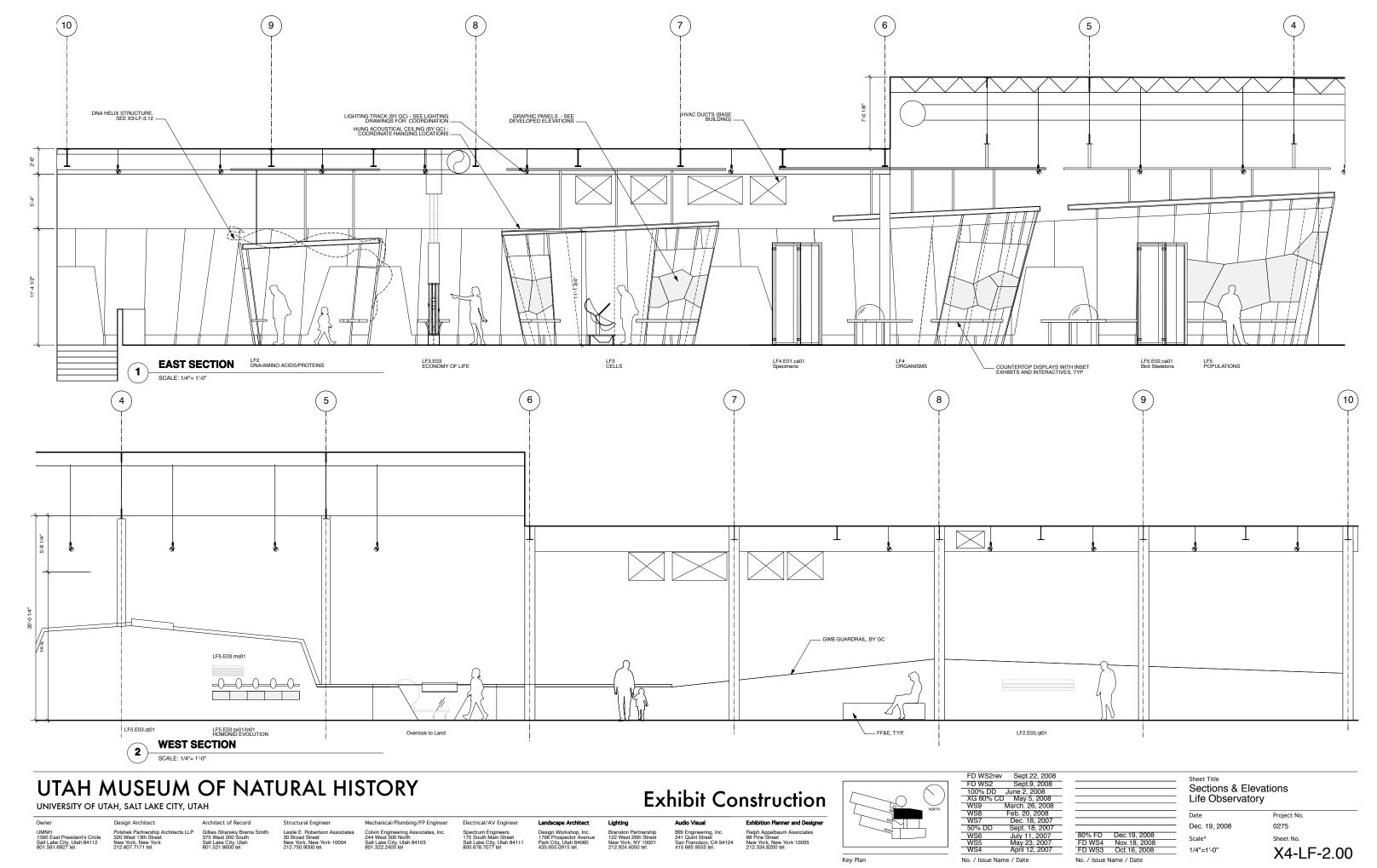
Leslie E. Robertson Associate 30 Broad Street New York, New York 10004 212.750.9000 tel.

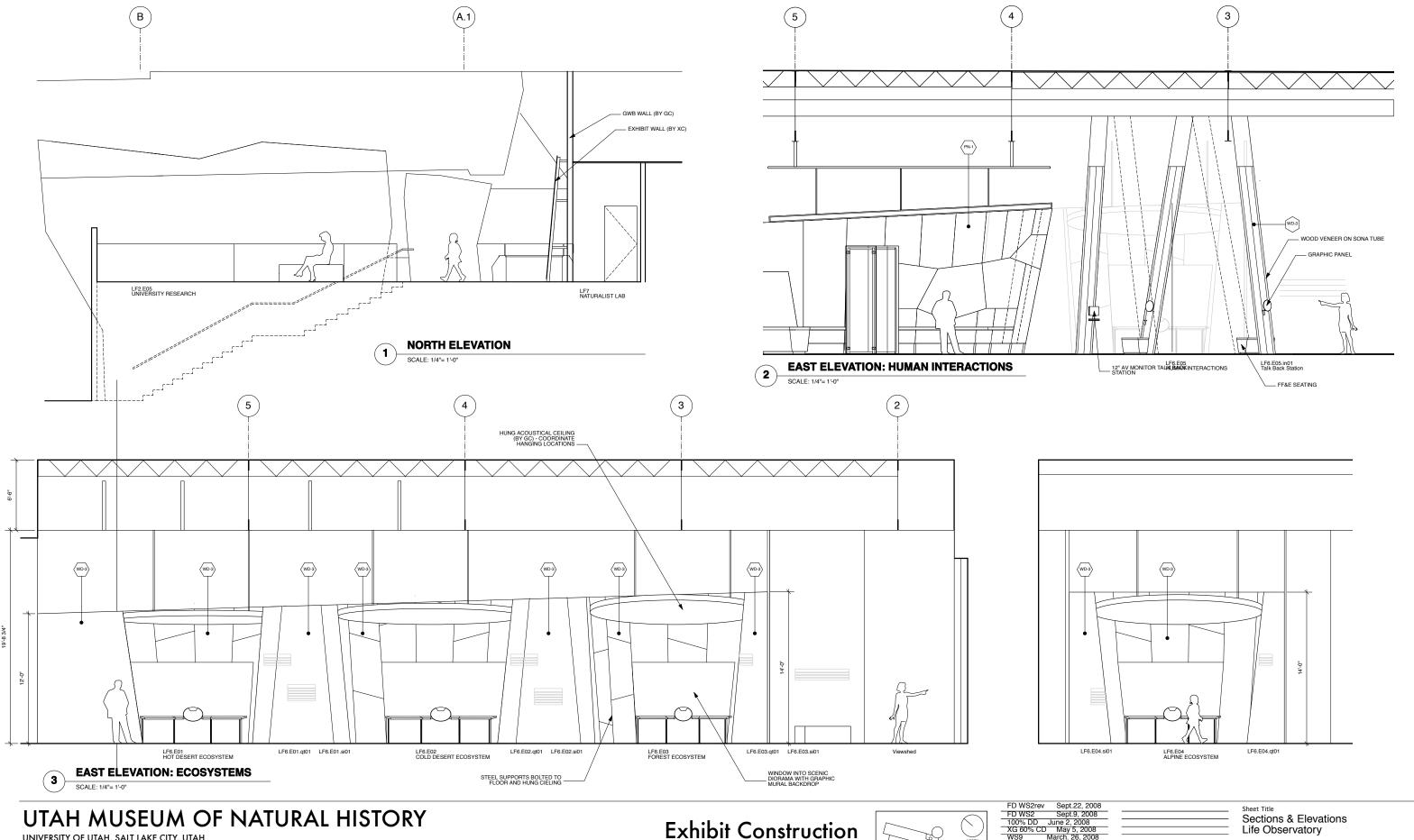
BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Key Plan

0275

X4-LF-1.10





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Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

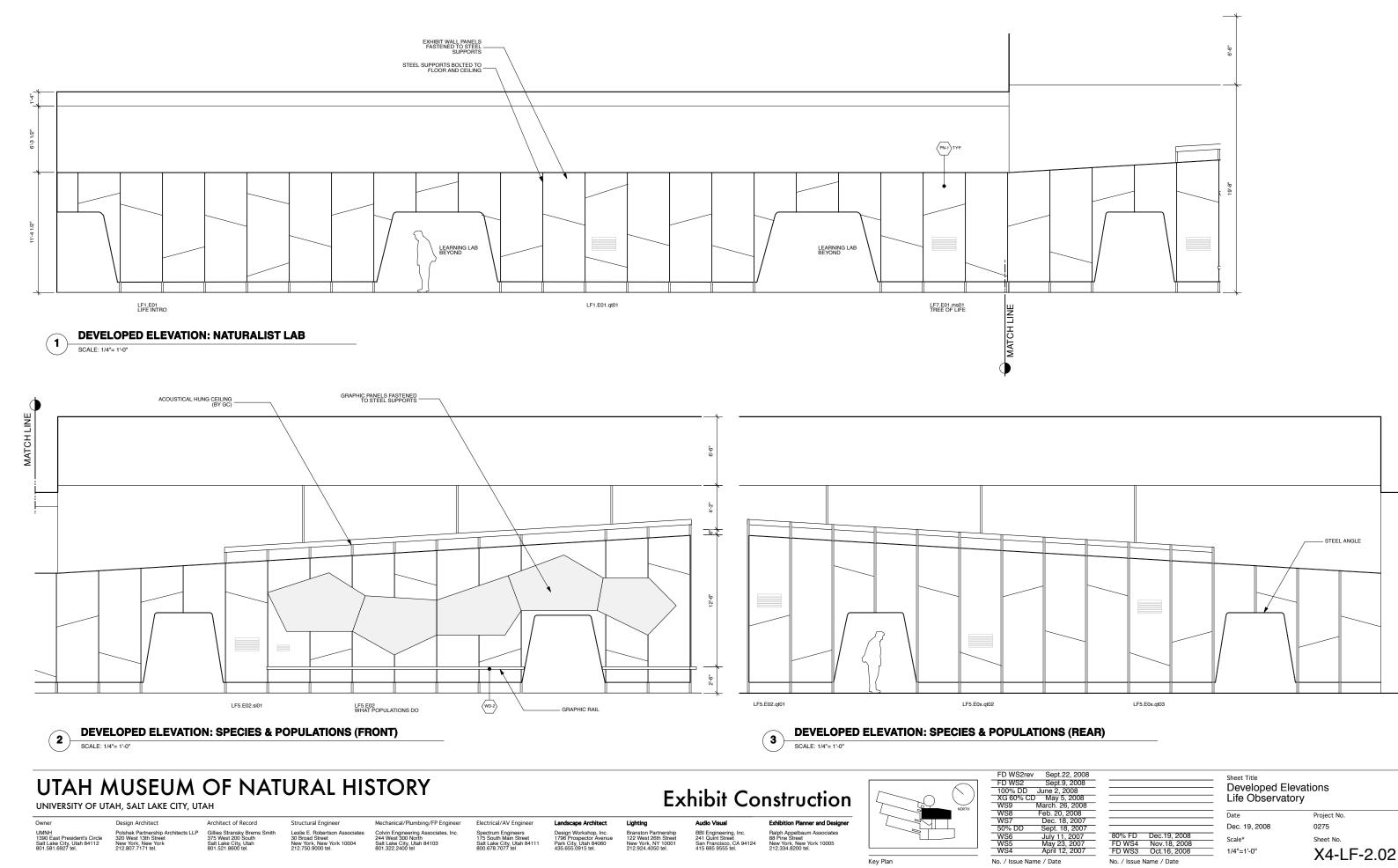
BBI Engineering, Inc. 241 Quint Street 88 Pine Street 88 Pine Street 145 685 9555 tel. 412 435 685 9555 tel. 412.334 8200 tel.

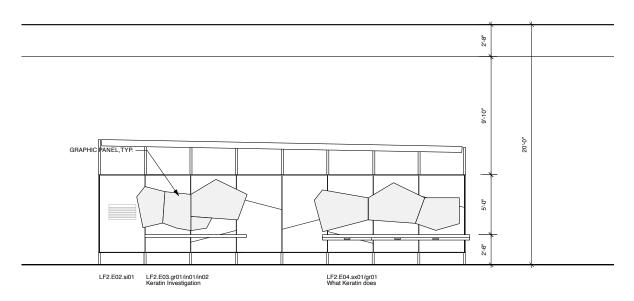
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100% DD June 2, 2008
XG 60% CD May 5, 2008
WS9 March. 26, 2008 No. / Issue Name / Date

FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008 No. / Issue Name / Date

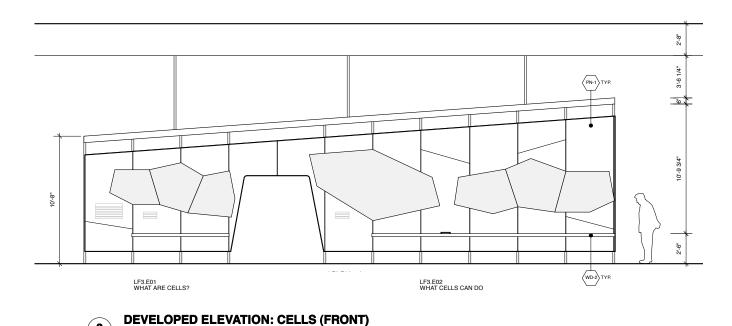
Life Observatory Project No Dec. 19, 2008 X4-LF-2.01





DEVELOPED ELEVATION: DNA/AA/PROTEINS (FRONT)

SCALE: 1/4"= 1'-0"



LF3.E02.qt01 LF3.E02.qt02 LF3.E02.qt03

LF2.E02.in02 Keratin Sequence

DEVELOPED ELEVATION: CELLS (BACK) SCALE: 1/4"= 1'-0"

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

SCALE: 1/4"= 1'-0"

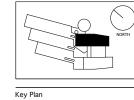
Architect of Record Gillies Stransky Brems Smith 375 West 200 South Salt Lake City, Utah 801.521.8600 tel.

Structural Engineer Mechanical/Plumbing/FP Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel. Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

Electrical/AV Engineer

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction



DEVELOPED ELEVATION: DNA/AA/PROTEINS (BACK)

FD WS2 Sept.9, 2008 100% DD June 2, 2008 XG 60% CD May 5, 2008 WS9 March. 26, 2008 WS8 Feb. 20, 2008 WS7 Dec. 18, 2007 50% DD Sept. 18, 2007 WS6 July 11, 2007 WS5 May 23, 2007 WS4 April 12, 2007	FD WS2rev	Sept.22, 2008
XG 60% CD May 5, 2008 WS9 March. 26, 2008 WS8 Feb. 20, 2008 WS7 Dec. 18, 2007 50% DD Sept. 18, 2007 WS6 July 11, 2007 WS5 May 23, 2007	FD WS2	Sept.9, 2008
WS9 March. 26, 2008 WS8 Feb. 20, 2008 WS7 Dec. 18, 2007 50% DD Sept. 18, 2007 WS6 July 11, 2007 WS5 May 23, 2007		
WS8 Feb. 20, 2008 WS7 Dec. 18, 2007 50% DD Sept. 18, 2007 WS6 July 11, 2007 WS5 May 23, 2007		
WS7 Dec. 18, 2007 50% DD Sept. 18, 2007 WS6 July 11, 2007 WS5 May 23, 2007		
50% DD Sept. 18, 2007 WS6 July 11, 2007 WS5 May 23, 2007		
WS6 July 11, 2007 WS5 May 23, 2007		
WS5 May 23, 2007		
		July 11, 2007
WS4 April 12, 2007		
	WS4	April 12, 2007

No. / Issue Name / Date

Sheet Title Developed Elevations Life Observatory Date Dec. 19, 2008 80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008

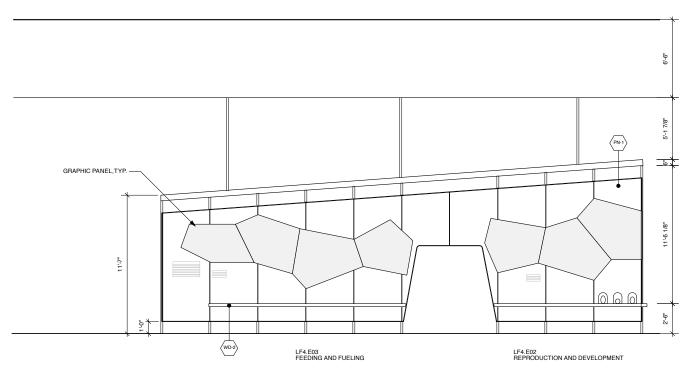
1/4"=1'-0"

X4-LF-2.03

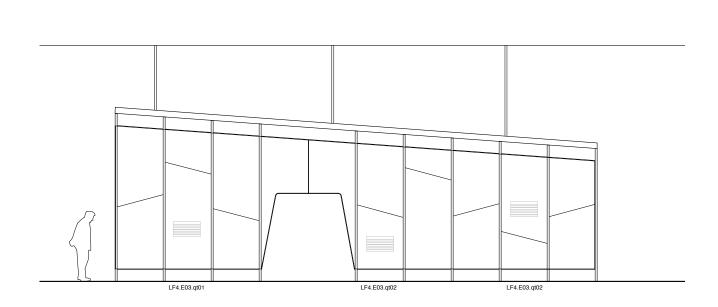
Project No.

0275

*Note: Scale Given for Full Size Drawing Sheet (22" x 34")



DEVELOPED ELEVATION: ORGANISMS (FRONT)



DEVELOPED ELEVATION: ORGANISMS (BACK) SCALE: 1/4"= 1'-0"

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Architect of Record Gillies Stransky Brems Smith 375 West 200 South Salt Lake City, Utah 801.521.8600 tel.

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Electrical/AV Engineer Spectrum Engineers 175 South Main Street Salt Lake City, Utah 84111 800.678.7077 tel

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction Key Plan

	NORTH

FD WS2	Sept.9, 2008
100% DD	June 2, 2008
XG 60% C	
WS9	March. 26, 2008
WS8	Feb. 20, 2008
WS7	Dec. 18, 2007
50% DD	Sept. 18, 2007
WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007

No. / Issue Name / Date

FD WS2rev Sept.22, 2008

Developed Elevations Life Observatory Date 80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008

Dec. 19, 2008

Sheet Title

1/4"=1'-0"

Sheet No. X4-LF-2.04

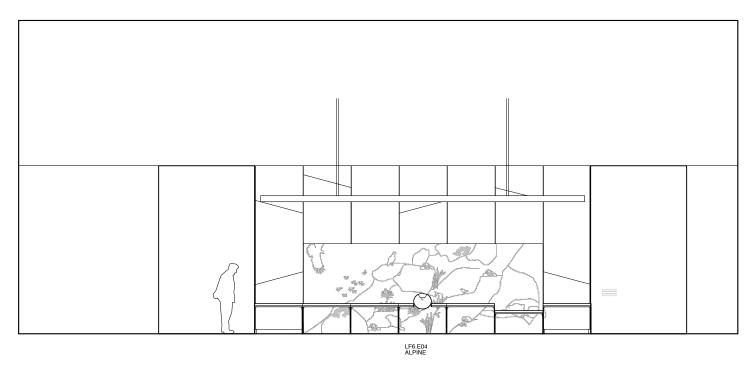
Project No.

0275



DEVELOPED ELEVATION: ECOSYSTEMS

SCALE: 1/4"= 1'-0"

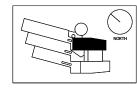


DEVELOPED ELEVATION: ECOSYSTEMS

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Exhibit Construction



Key Plan

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	FD WS2	Sept.9, 2008
Μ.	100% DD	June 2, 2008
/ '	XG 60% CD	
	WS9	March. 26, 2008
'	WS8	Feb. 20, 2008
'	WS7	Dec. 18, 2007
	50% DD	Sept. 18, 2007
	WS6	July 11, 2007
	WS5	May 23, 2007
_	WS4	April 12, 2007

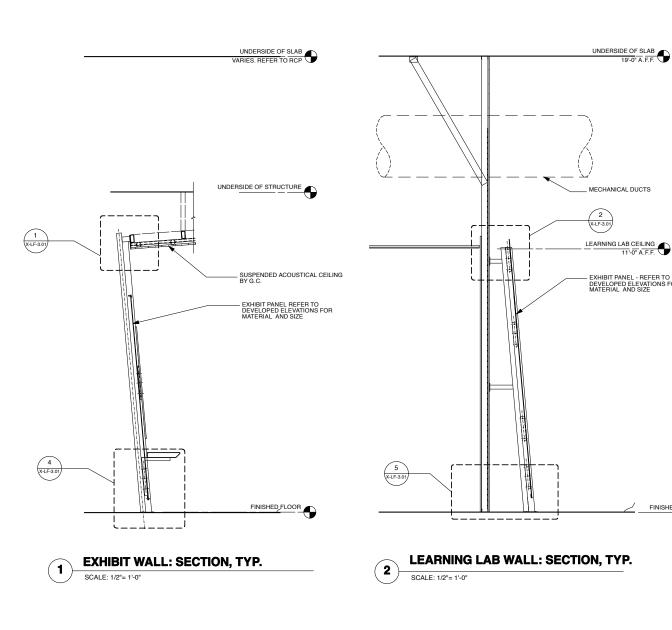
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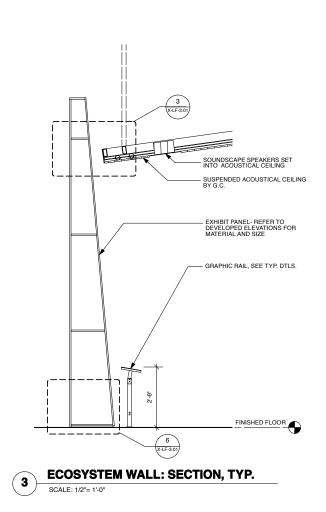
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Developed Elevations
Life Observatory

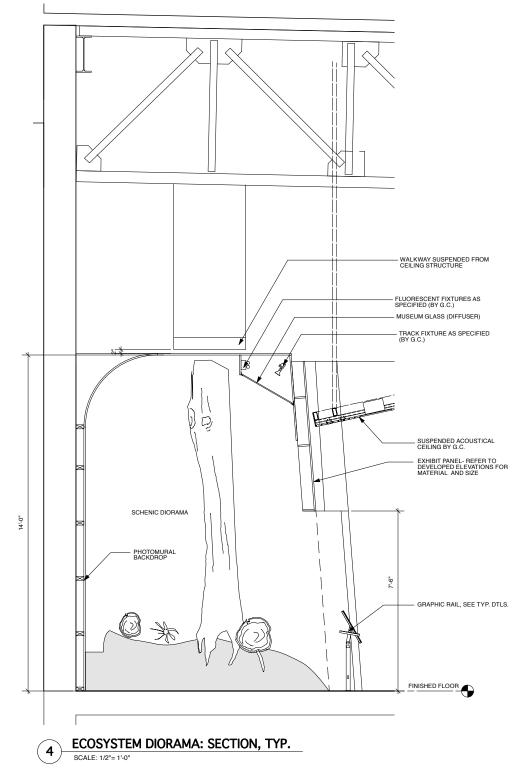
Dec. 19, 2008

Sheet No. X4-LF-2.05

*Note: Scale Given for Full Size Drawing Sheet (22" x 34")







UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Structural Engineer

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Electrical/AV Engineer Spectrum Engineers 175 South Main Street Salt Lake City, Utah 84111 800.678.7077 tel Landscape Architect

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel. Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



	FD WS2rev	Sept.22, 20
	FD WS2	Sept.9, 200
71	100% DD	June 2, 2008
71	XG 60% CD	
TH	WS9	March. 26, 200
	WS8	Feb. 20, 2008
	WS7	Dec. 18, 200
	50% DD	Sept. 18, 200
	WS6	July 11, 2007 May 23, 200
	WS5	May 23, 200
	WS4	April 12, 200

No. / Issue Name / Date

Sheet Title
Level 3 - Life Observatory: Typical Sections Project No. 0275 Dec. 19, 2008 80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008

No. / Issue Name / Date

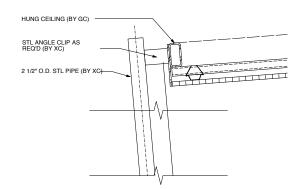


EXHIBIT WALL, DETAIL AT TOP (DROP CEILING) SCALE: 1-1/2"= 1'-0"

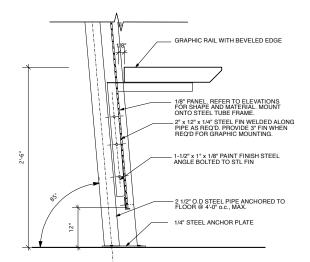
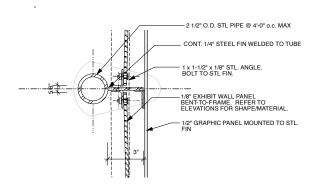
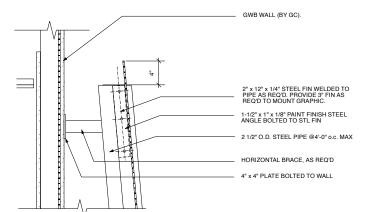


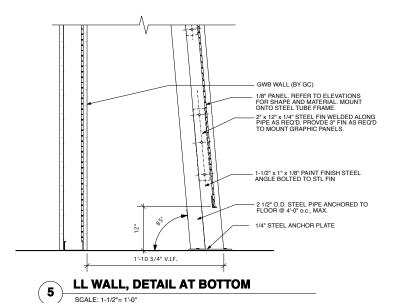
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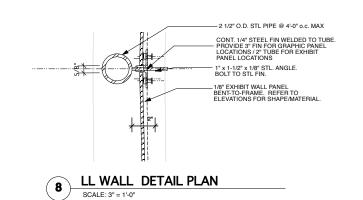


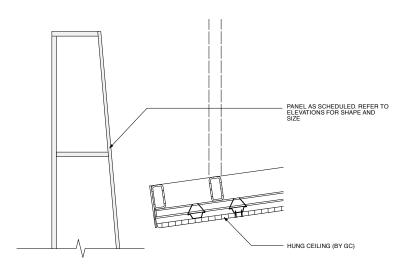




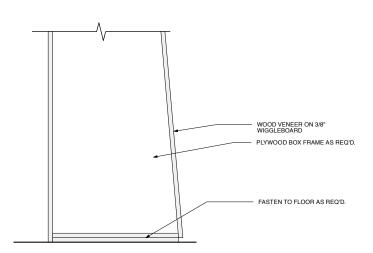
LL WALL: DETAIL AT TOP SCALE: 1-1/2"= 1'-0"







ECOSYSTEM WALL, DETAIL AT TOP SCALE: 1-1/2"= 1'-0"



ECOSYSTEM WALL, DETAIL AT BOTTOM

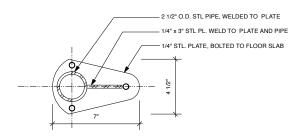


EXHIBIT WALL FLOOR PLATE, PLAN SCALE: 3" = 1'-0"

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

SCALE: 1-1/2"= 1'-0"

Owner	
UMNH 1390 East President's Circle Salt Lake City, Utah 84112	

Design Architect

Architect of Record

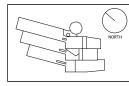
Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Mechanical/Plumbing/FP Engineer

Electrical/AV Engineer

Exhibit Construction

Exhibition Planner and Designer



Key Plan

FD WS2 Sept.9, 2008 100% DD June 2, 2008 XG 60% CD May 5, 2008 WS8

Dec. 18, 2007 Sept. 18, 2007 WS4 April 12, 2007 No. / Issue Name / Date

FD WS2rev Sept.22, 2008

Feb. 20, 2008

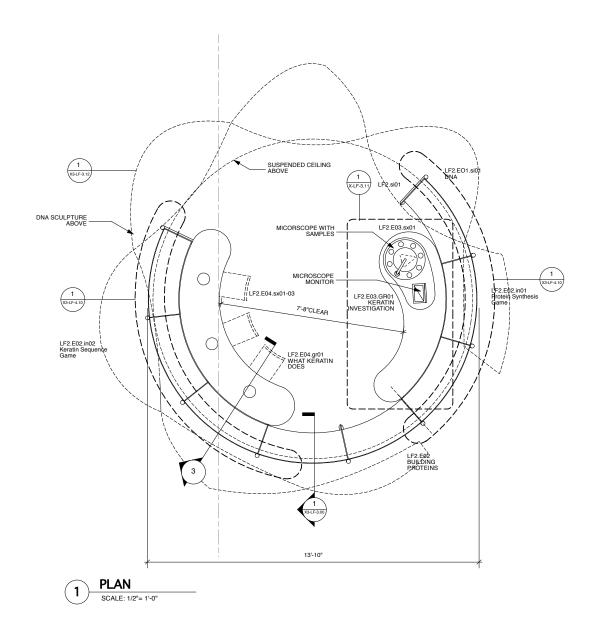
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80% FD	Dec.19, 2008	•
FD WS4	Nov.18, 2008	-
FD WS3	Oct.16, 2008	

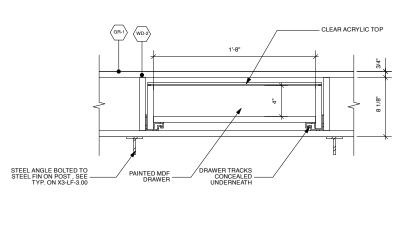
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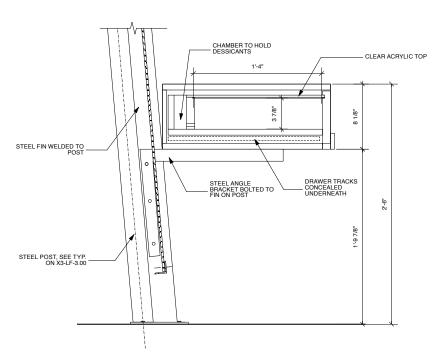
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Dec. 19, 2008 As Noted

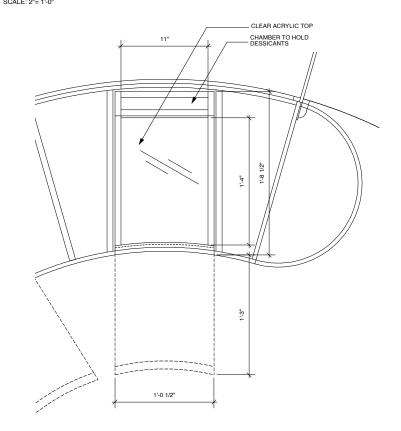
Sheet No.







DETAIL SECTION



DETAIL SECTION

SCALE: 2"= 1'-0"

DETAIL PLAN

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Electrical/AV Engineer

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction

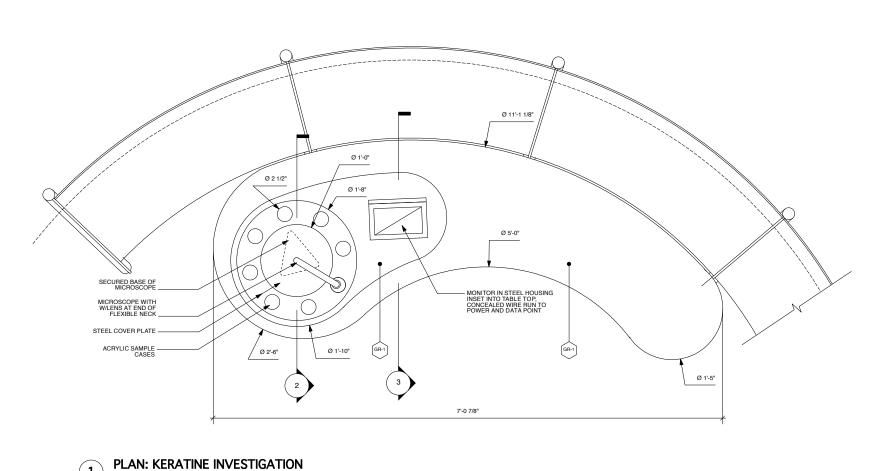
	NORTH
Key Plan	

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-)	100% DD	June 2, 2008
-71	XG 60% CI	
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	WS8	Feb. 20, 2008
	WS7	Dec. 18, 2007
	50% DD	Sept. 18, 2007
	WS6	July 11, 2007 May 23, 2007
	WS5	
	WS4	April 12, 2007

No. / Issue Name / Date

80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008 No. / Issue Name / Date

Sheet Title
Level 4 - Life Observatory:
Detail Plans - DNA 0275 Dec. 19, 2008



MICROSCOPE LENS HEAD ON FLEXIBLE NECK PANELS MOUNTED TO STEEL FRAMEWORK STEEL POST -_ CLEAR ACRYLIC DISPLAY STEEL COVERPLATE STEEL FIN WELDED TO STEEL POST STEEL COVERPLATE MICROSCOPE BASE SECURED TO TABLE

- PANELS MOUNTED TO STEEL FRAMEWORK STEEL POST STEEL FIN WELDED TO STEEL POST STEEL ANGLE BRACKET BOLTED TO FIN WELDED TO STEEL POST

DETAIL SECTION

SCALE: 3"= 1'-0"

DETAIL SECTION

SCALE: 3"= 1'-0"

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

SCALE: 1/2"= 1'-0"

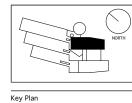
Owner	
	President's Circle City, Utah 84112 27 tel.

Structural Engineer Mechanical/Plumbing/FP Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel. Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel Electrical/AV Engineer Spectrum Engineers 175 South Main Street Salt Lake City, Utah 84111 800.678.7077 tel

Landscape Architect

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



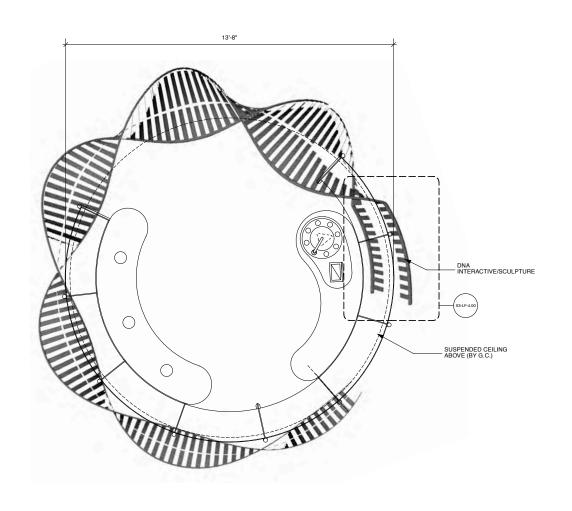
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Л	XG 60% CD	
í	WS9	March. 26, 2008
	WS8	Feb. 20, 2008
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	WS5	May 23, 2007
	WS4	April 12, 2007

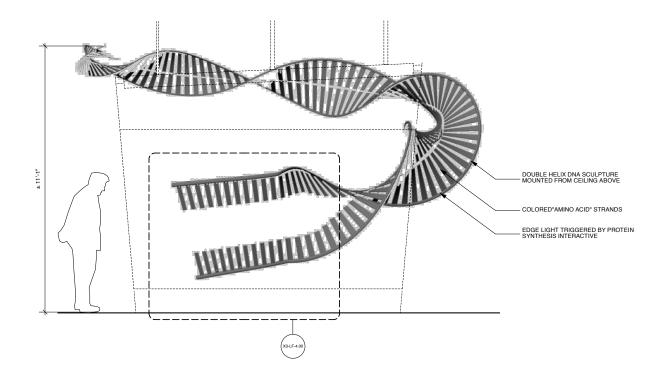
No. / Issue Name / Date

80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008 No. / Issue Name / Date

Sheet Title
Level 4 - Life Observatory:
Detail Plans- DNA Project No. 0275 Dec. 19, 2008

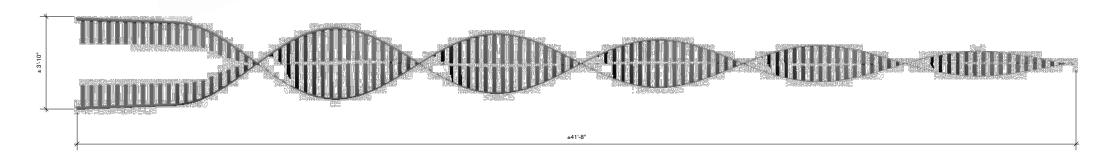
Sheet No. Scale* X3-LF-3.11





PLAN (CONCEPTUAL DNA MODEL) SCALE: 1/2"= 1'-0"

ELEVATION (CONCEPTUAL) SCALE: 1/2"= 1'-0"



DEVELOPED ELEVATION (CONCEPTUAL)

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner	
	resident's Circle ty, Utah 84112 17 tel.

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction

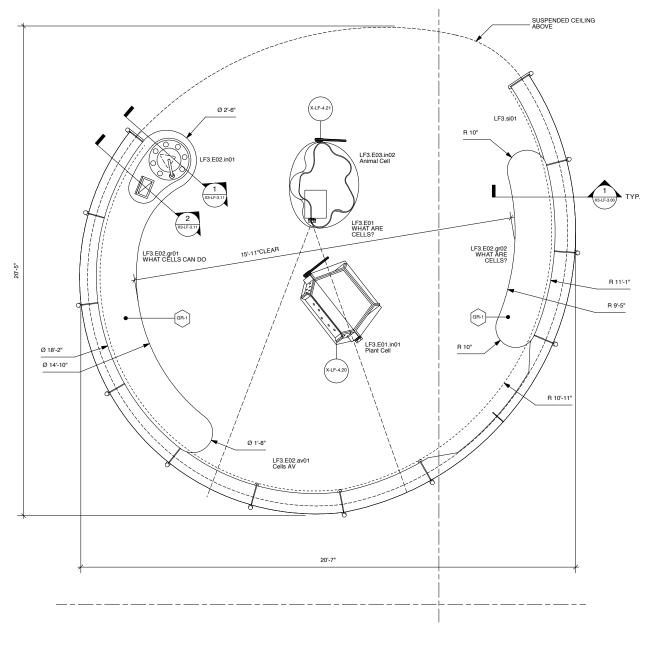
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	FD WS2rev	Sept.22, 2008
$\overline{}$	FD WS2	Sept.9, 2008
М		June 2, 2008
Л	XG 60% CD	May 5, 2008
H		March. 26, 2008
.	WS8	Feb. 20, 2008
	WS7	Dec. 18, 2007
	50% DD	Sept. 18, 2007
	WS6	July 11, 2007 May 23, 2007
	WS5	May 23, 2007
	WS4	April 12 2007

No. / Issue Name / Date

Sheet Title
Level 4 - Life Observatory:
Detail Plans - DNA

0275 Dec. 19, 2008 X3-LF-3.12





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Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Electrical/AV Engineer

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

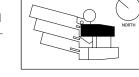


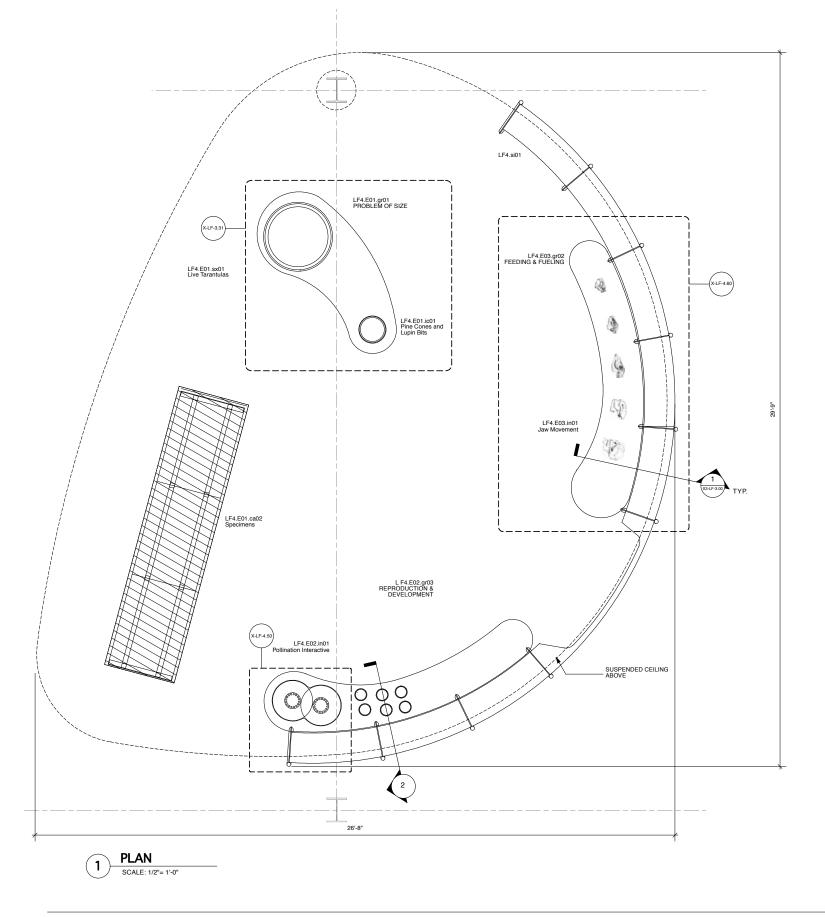
Exhibit Construction Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel. Key Plan

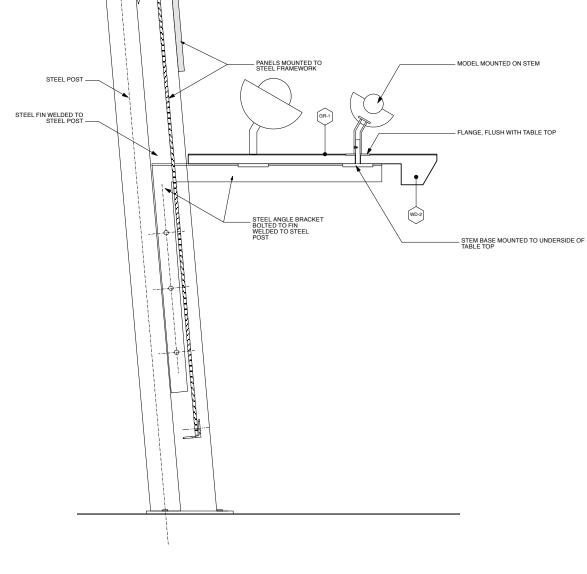
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$\overline{}$	FD WS2	Sept.9, 2008
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71	XG 60% CL	
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	WS8	Feb. 20, 2008
	WS7	Dec. 18, 2007
	50% DD	Sept. 18, 2007
	WS6	July 11, 2007 May 23, 2007
	WS5	
	Wey	April 12 2007

No. / Issue Name / Date

Sheet Title
Level 4 - Life Observatory:
Detail Plans - CELLS Dec. 19, 2008

80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008 X3-LF-3.20





DETAIL SECTION

SCALE: 3"= 1'-0"

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner
UMNH 1390 East President's Circle Salt Lake City, Utah 84112 801.581.6927 tel.

Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.



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\Box	FD WS2	Sept.9, 2008
11	100% DD	June 2, 2008
Л	XG 60% CD	
		March. 26, 2008
	WS8	Feb. 20, 2008
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	WS5	May 23, 2007
	WS4	April 12, 2007

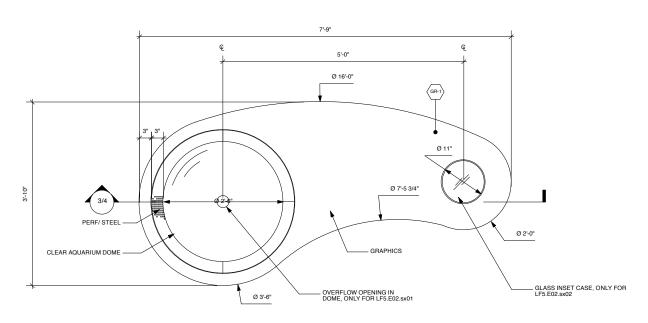
No. / Issue Name / Date

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	Date
	Dec. 19, 2008
80% FD Dec.19, 2008 FD WS4 Nov.18, 2008	Scale*
FD WS3 Oct.16, 2008	As Noted

No. / Issue Name / Date

Observatory: - ORGANISMS Project No. 0275

*Note: Scale Given for Full Size Drawing Sheet (22" x 34")



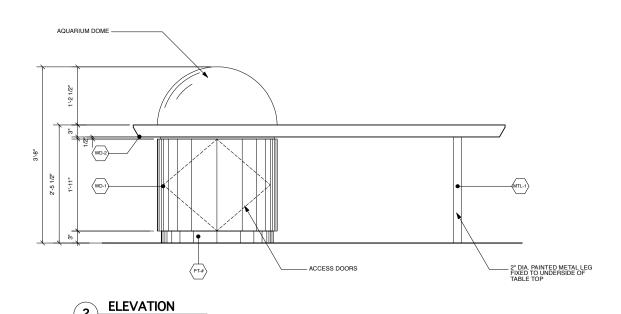
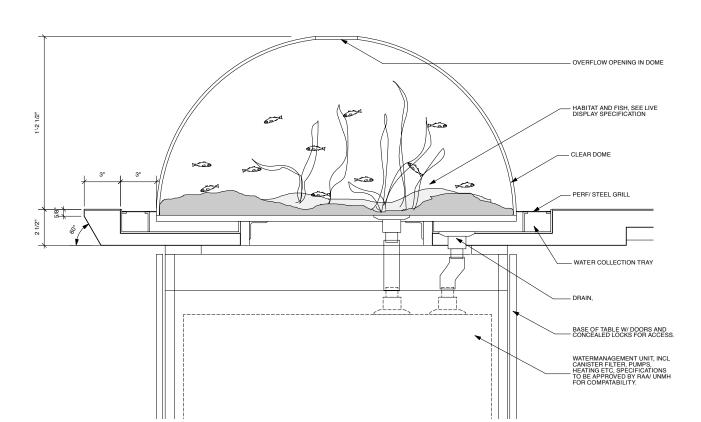
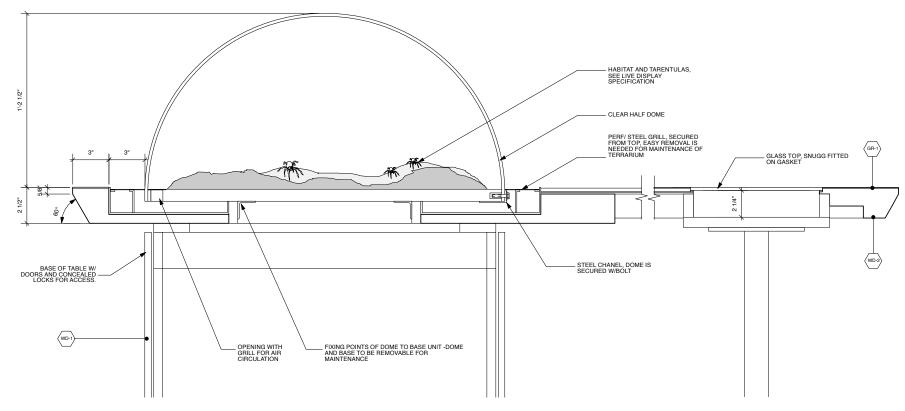


TABLE PLAN:





UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

3

DETAIL SECTION: LF5.E02.sx01

Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

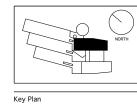
Electrical/AV Engineer Spectrum Engineers 175 South Main Street Salt Lake City, Utah 84111 800.678.7077 tel

Landscape Architect

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction

DETAIL SECTION: LF5.E02.sx02



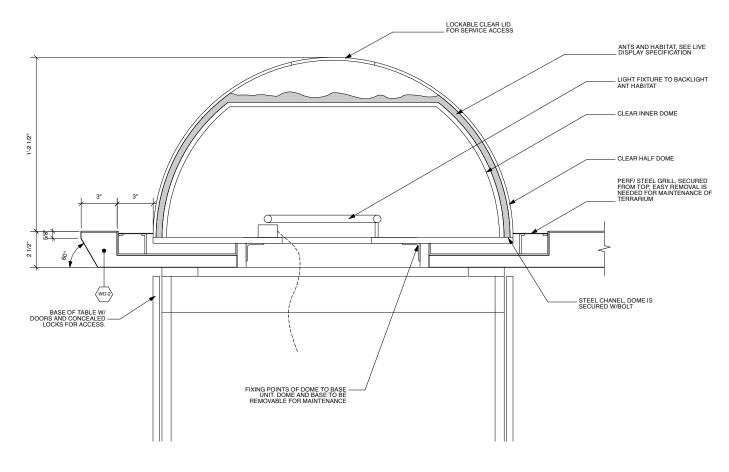
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	FD WS2	Sept.9, 2008
	100% DD	June 2, 2008
	XG 60% CD	
	WS9	March. 26, 2008
	WS8	Feb. 20, 2008
	WS7	Dec. 18, 2007
	50% DD	Sept. 18, 2007
	WS6	July 11, 2007
J .	WS5	May 23, 2007
	WS4	April 12, 2007

No. / Issue Name / Date

80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008 No. / Issue Name / Date

Level 4 - Life Observatory: Aquarium Table: LF5.E02.sx02 0275 Dec. 19, 2008 Sheet No. X3-LF-3.31

1. CONTRACTOR TO RESEARCH ALL EQUIPMENT NEEDED, TO BE APPROVED BY RAA AND UNMH FOR COMPATABILTY.
2. TO BE PROTOTYPED PRIOR TO FABRICATION.



DETAIL SECTION: LF5.E02.sx01

1. CONTRACTOR TO RESEARCH ALL EQUIPMENT NEEDED, TO BE APPROVED BY RAA AND UMMH FOR COMPATABILTY.
2. TO BE PROTOTYPED PRIOR TO FABRICATION

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Landscape Architect

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



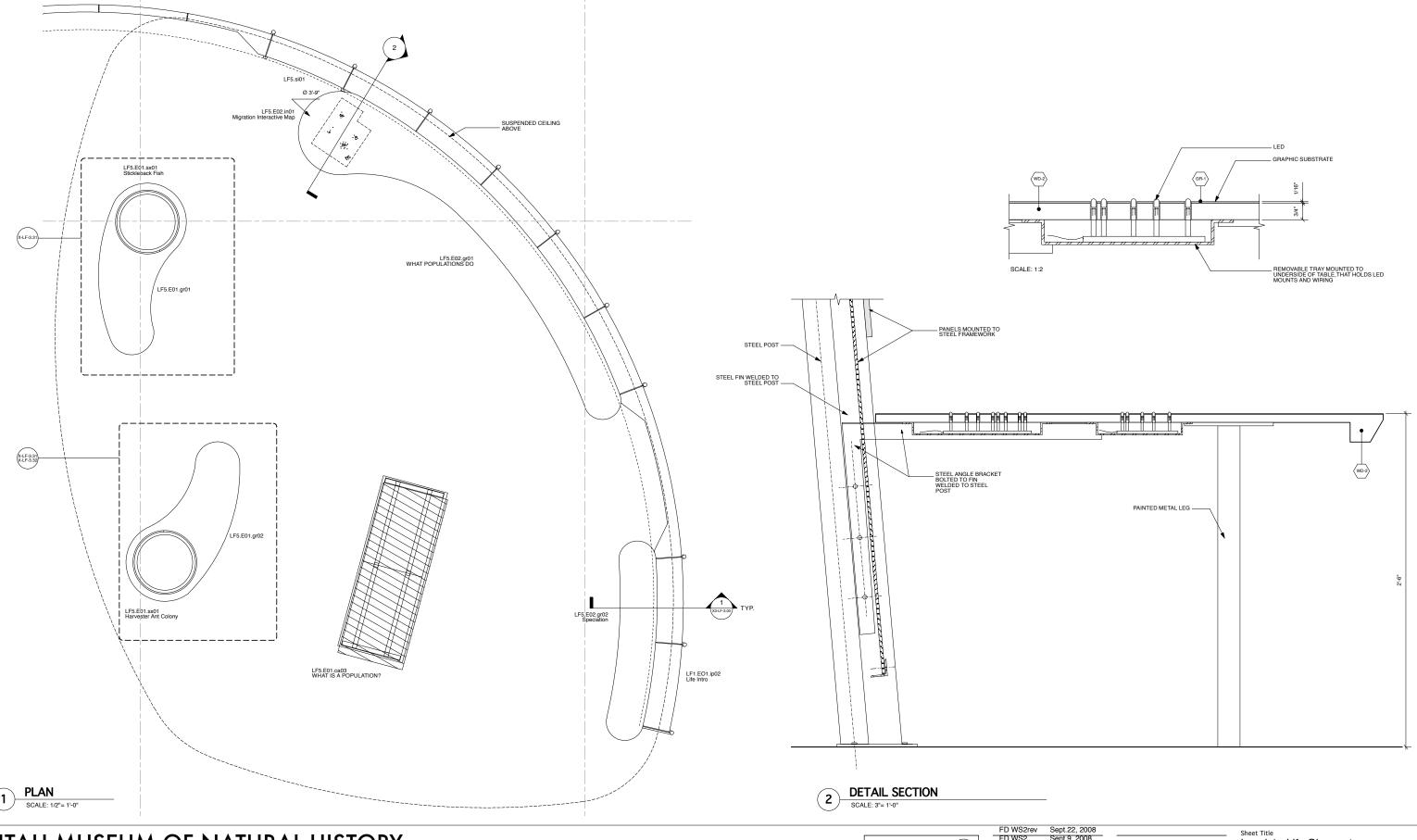
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71	XG 60% CL	
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	WS8	Feb. 20, 2008
	WS7	Dec. 18, 200
	50% DD	Sept. 18, 200
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	WS5	
	WS4	April 12, 200

No. / Issue Name / Date

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_	FD WS4	Nov.18, 2008	_
_	FD WS3	Oct.16, 2008	_
_	No. / Issue N	Name / Date	_

Sheet Title Level 4 - Life Observatory: Ant Colony, LF5.E01.sx01 Date Project No. Dec. 19, 2008 0275

Scale* As Noted X3-LF-3.32

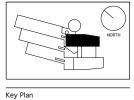


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Exhibit Construction



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100% DD	June 2, 2008
XG 60% C	
WS9	March. 26, 2008
WS8	Feb. 20, 2008
WS7	Dec. 18, 2007
50% DD	Sept. 18, 2007
WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007

	Sheet Title Level 4 - Life Ob Detail Plans - Po
	Date
· · · · · · · · · · · · · · · · · · · 	Dec. 19, 2008
80% FD Dec.19, 2008 FD WS4 Nov.18, 2008	Scale*
FD WS3 Oct.16, 2008	As Noted

bservatory: opulation Project No. 0275 X3-LF-3.40 No. / Issue Name / Date

± 18'-9 1/4" DIORAMA SCENE TO CONTAIN CONCEALED SPEAKERS (BY X.C) GRAPHIC BACKDROP Ø 6'-0" Ø 6'-0" LF6.E01.gr01 HOT DESERT - RAIL SEE TYPICAL DETAILS LF6.E01.sx02 Magnifier (Cryptobiotic Soil) LF6.E01.si0

Exhibit Construction

GRAPHIC BACKDROP EDGE OF WALL OPENING

UTAH MUSEUM OF NATURAL HISTORY

ECOSYSTEMS: HOT DESERT DIORAMA PLAN: LF6.E01

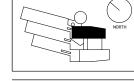
SCALE: 1/2"= 1'-0"

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Electrical/AV Engineer

Landscape Architect Lighting

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.



Key Plan

ECOSYSTEMS: HOT DESERT DIORAMA

$I \setminus I$	100% DD	Jurie 2, 2
	XG 60% CI	
NORTH	WS9	March. 26
NONTH	WS8	Feb. 20,
T	WS7	Dec. 18
느	50% DD	Sept. 1
	WS6	July 11 May 23
	WS5	May 23
	WS4	April 12
	No. / Issue Na	me / Date

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FD WS2 Sept.9, 2008
100% DD June 2, 2008
XG 60% CD May 5, 2008
WS9 March. 26, 2008
WS8 Feb. 20, 2008
WS7 Dec. 18, 2007
50% DD Sept. 18, 2007
WS6 July 11, 2007 WS5 May 23, 2007
WS5 May 23, 2007
WS4 April 12, 2007

80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008 No. / Issue Name / Date

MODELED ANIMALS REALISTICALLY SET INTO RECREATED SOIL SECURED AS REQ'D.

NOTE:

HOT DESERT MOJAVE: VISITORS SEE A DIORAMA
REPRESENTING THE BEAVERDAM WASH AREA OF SOUTHWEST
UTAH, AND LEARN HOW THE EXTREMES OF HEAT AND WATER
AVAILABILITY AFFECT THE ANIMALS AND PLANTS THAT LIVE IN
DESERTS. VISITORS SEE UP CLOSE THE INTERDEPENDENCIES
OF THIS ECOSYSTEM (CRYPTOBIOTIC SOLIS, PLANT AND INSECT
POLLINATION) AND APPRECIATE ITS FRAGILE NATURE.
SOUNDSCAPE WILL GIVE VISITORS A SENSE OF NIGHTTIME
INHABITANTS VS. DAYTIME INHABITANTS.

GROUNDFORM DESCRIPTION: FLAT AND SANDY

ELEMENTS INCLUDE: CRYPTOBIOTIC SOIL, CHOLLA CACTUS W.
CACTUS WIREN AND NEST AND CLOSE-JIP OF INSECT TRAP,
BARREL CACTUS, JOSHUA TREE (BACKGROUND), CREOSOTE
BUSHES, CREOSOTE LAC INSECT, WOOD RAT NEST AT BASE OF
CHOLLA CACTUS, WOOD RAT, GOTHER TORTOISE EATING
CACTUS AND COMMON THE COMMON TO SECURITY
MOSS, RAVEN WITH PECKED JUVENILE GOPHER TORTOISE
SHELL, COYD'G ON KIT HON TO SESTIT KNOSA RAVEN WITH PECKED JUVENILE GOPHER TORTOISE
SHELL, COYD'G ON KIT HON TO SESTIT KNOSA RAVEN WITH PECKED JUVENILE GOPHER TORTOISE
SHELL, COYD'G ON KIT HON TO SHE STET KNOSA RAVEN WITH SECURITY SHE SECTION SHOWING TRANSTULLA IN SURROW. TRANSTULLA AND
TARANTULA HAWK IN HOLE AND OTHER CHARACTERISTIC
PLANTS AND ANIMAL SIDENTIFIER SPECIES ASSOCIATED WITH
THE HOT DESERT COMMUNITY.

3. XC TO PROVIDE SAMPLES OF ALL SURFACES PRIOR TO FABRICATION FOR RAA TO APPROVE.

Level 4 - Life Observatory: Hot Desert Diorama Project No.

0275 Dec. 19, 2008 Scale* X4-LF-3.50

*Note: Scale Given for Full Size Drawing Sheet (22" x 34")

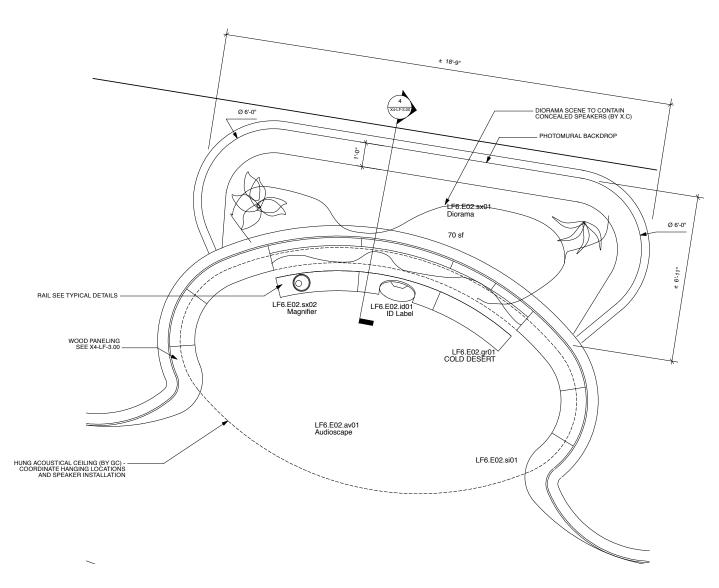
- FAUX VEGETATION REALISTICALLY SET INTO RECREATED SOIL SECURED AS REQ'D.

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Spectrum Engineers 175 South Main Street Salt Lake City, Utah 84111 800.678.7077 tel

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

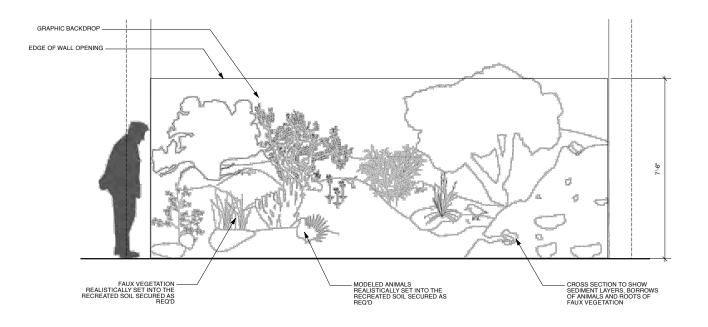


ECOSYSTEMS: COLD DESERT DIORAMA PLAN: LF6.E02

NOTE:

1. DESCRIPTION OF WORK:

3. XC TO PROVIDE SAMPLES OF ALL SURFACES PRIOR TO FABRICATION FOR RAA TO APPROVE.



ECOSYSTEMS: COLD DESERT DIORAMA

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Salt La	ast President's Circle ke City, Utah 84112 1.6927 tel.

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BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.



ion Planner and Designer	
Appelbaum Associates Street rk, New York 10005 1.8200 tel.	
1.6200 tel.	
	Key Plan

	FD WS2rev Sept.22, 2008
1	FD WS2 Sept.9, 2008
	100% DD June 2, 2008
	XG 60% CD May 5, 2008
	WS9 March. 26, 2008
	WS8 Feb. 20, 2008
	WS7 Dec. 18, 2007
	50% DD Sept. 18, 2007
	WS6 July 11, 2007
	WS5 May 23, 2007
Ī	WS4 April 12, 2007

No. / Issue Name / Date

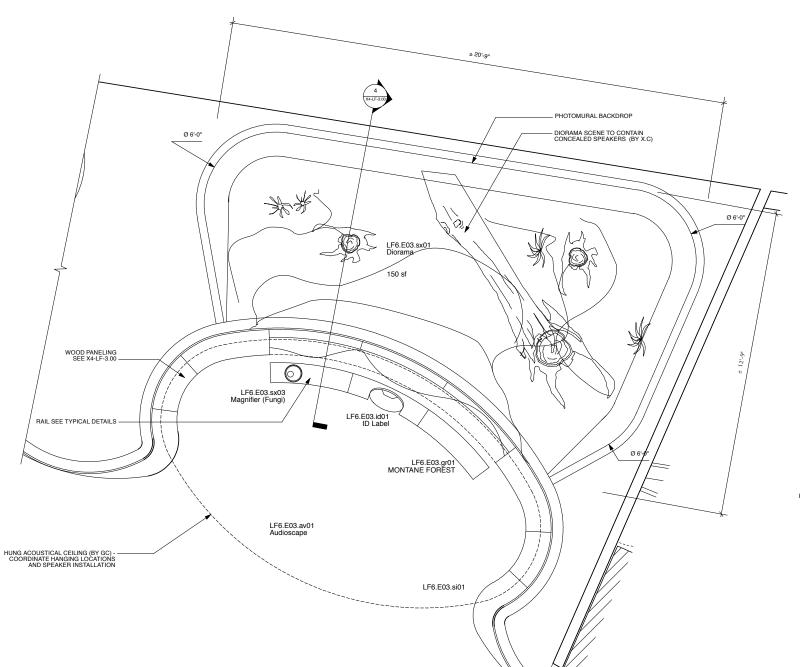
Sheet Title Level 4 - Life Cold Desert C	
Date	Project No.
— Dec 19 2008	0275

FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008

No. / Issue Name / Date

Scale*

X4-LF-3.60



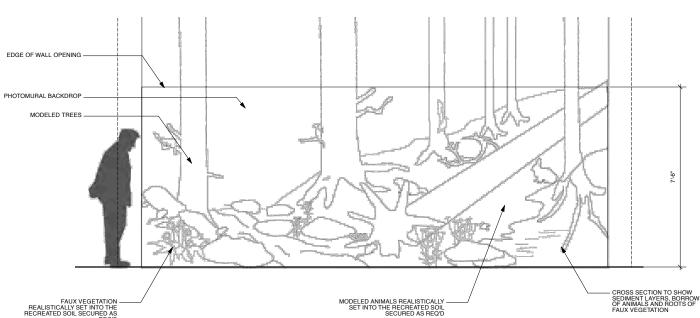
MONTANE FOREST: VISITORS SEE A DIORAMA REPRESENTING A FORESTED CANYON ON THE WASATCH FRONT AND LEARN ABOUT THE INTERCONNECTEDNESS OF PLANTS AND ANIMALS. SOUNDSCAPE WILL GIVE VISITORS A SENSE OF NIGHTIME INHABITANTS VS. DAYTIME INHABITANTS.

GROUNDFORM DESCRIPTION: STEEPLY SLOPING FROM NEARGROUND TO BACKGROUND

HOLDING CONE, ROCKY MOUNTAIN MAPLES (BACKGROUND) WITH SEEDS IN FOREGROUND AND IN THE AIR, GAMBEL OAM (BACKGROUND), CURLILABAT) MOUNTAIN MAHOGANY (BACKGROUND), MOUNTAIN ALDER (BACKGROUND), MOUNTAIN ALDER (BACKGROUND) MOUNTAIN ALDER (BACKGROUND) MOUNTAIN ALDER (BACKGROUND) MOUNTAIN ALDER (BACKGROUND) MARINE BEETLES, WILD FLOWERS, ASPEN WITH FUNGUS, LUPINE, OAK AND MAPLE GALLS, WESTERN GARTER SNAKE EATING A BOREAL TOAD UNDER A LOG, STELLER'S JAY, DROPPED ELR RACK, MOUNTAIN LON, UNITA CHIPMUNK IN GRASS AND OTHER CHARACTERISTIC PLANTS AND ANIMALS/IDENTIFIER SPECIES ASSOCIATED WITH THE FOREST COMMUNITY.

2. ALL ELEMENTS WILL BE FABRICATED, EXCEPT "MOUNTAIN LION" AND "MULEDEER" ARE EXISTING TAXIDERMY IN UMNH COLLECTION.

3. XC TO PROVIDE SAMPLES OF ALL SURFACES PRIOR TO FABRICATION FOR RAA TO APPROVE



ECOSYSTEMS: MONTANE FOREST DIORAMA PLAN: LF6.E03

ECOSYSTEMS: MONTANE FOREST DIORAMA SCALE: 1/2"= 1'-0"

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Salt Lake City, Utah 84112

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Lighting

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction

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	FD WS2rev	Sept.22, 2008
	FD WS2	Sept.9, 2008
		June 2, 2008
	XG 60% CD	
		March. 26, 2008
	WS8	Feb. 20, 2008
	WS7	Dec. 18, 2007
	50% DD	Sept. 18, 2007
	WS6	July 11, 2007
	WS5	May 23, 2007
_	WS4	April 12, 2007

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Level 4 - Life Observatory: Montane Forest Diorama Date Project No.

0275 Dec. 19, 2008 Scale* Sheet No.

X4-LF-3.70

HUNG ACOUSTICAL CEILING (BY GC) - COORDINATE HANGING LOCATIONS AND SPEAKER INSTALLATION WOOD PANELING SEE X4-LF-3.00 LF6.E04.sx02 Magnifier (Lichen) RAIL SEE TYPICAL DETAILS -LF6.E04.av01 Audioscape LF6.E04.id01 ID Label LF6.E04.sx01 Diorama LF6.E04.gr01 ALPINE LF6.E04.si01 PHOTOMURAL BACKDROP ± 16'-5"

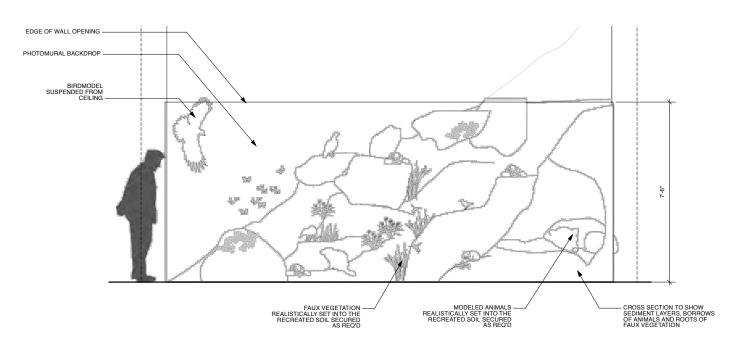
Alpine: VISITORS SEE A DIORAMA REPRESENTING A ROCK OUTCROP, AND ASSOCIATED TUNDRA AT THE EDGE OF THE TREE LINE, AND LEARN ABOUT THE INTERCONNECTEDNESS OF THE PLANTS AND ANIMALS AS WELL AS HOW THEY ADAPT TO LIFE AT EXTREMELY HIGH ELEVATIONS AND LOW TEMPERATURES. SOUNDSCAPE WILL GIVE VISITORS A SENSE OF NIGHTTIME INHABITANTS VS. DAYTIME (INHABITANTS.)

GROUNDFORM DESCRIPTION OF MAGNIFIED AREA: ROCK OUTCROP WITH TALUS SLOPE AND ADJACENT TUNDRA

BLEMENTS INCLUDE: GROUP OF ARADUMD 10 MAGDALENA ALPINE BUTTERFLIES FLYING OVER ROCKSLIDE. GROUP OF AROUND 10 MAGDALENA ALPINE BUTTERFLIES FLYING OVER ROCKSLIDE. GOLDEN EAGLE THREATENING MARMOT, CLARK'S NUTCRACKER FEEDING ON PINE SEEDS. BUFLIS HUMINIGBIRDS EATING OUT OF A PENSTAMON, WHITE-TAILED PTARMIGANS FORAGING, PIKA W. HAY PILE AND DWARF SHERW EATING EARTHWORM IN TAIL US ROCK FORMATION, SPIDERS, DIPTERA, WHITLOW 'GRASS' SEDGE. BRISTLECONE PINE IN KRUMOLITZ FORMATION AND PINE CONSE, ENGELMANN SPRUCE (BRACKGROUND), MAT WILLOW (BACKGROUND), LICHEN, DIPTERA TBD. SPIDERS TBD IN TAILUS, AND OTHER CHARACTERISTIC PLANTS AND ANIMALS/IDENTIFIER SPECIES ASSOCIATED WITH THE ALPINE COMMUNITY.

2. ALL ELEMENTS WILL BE FABRICATED.

3, XC TO PROVIDE SAMPLES OF ALL SURFACES PRIOR TO FABRICATION FOR RAA TO APPROVE



ECOSYSTEMS: ALPINE DIORAMA PLAN: LF6.E04 SCALE: 1/2"= 1'-0"

ECOSYSTEMS: ALPINE DIORAMA

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Key Plan

	FD WSZIEV	Sept.22, 20
	FD WS2	Sept.9, 200
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	WS5	
	WS4	April 12, 200

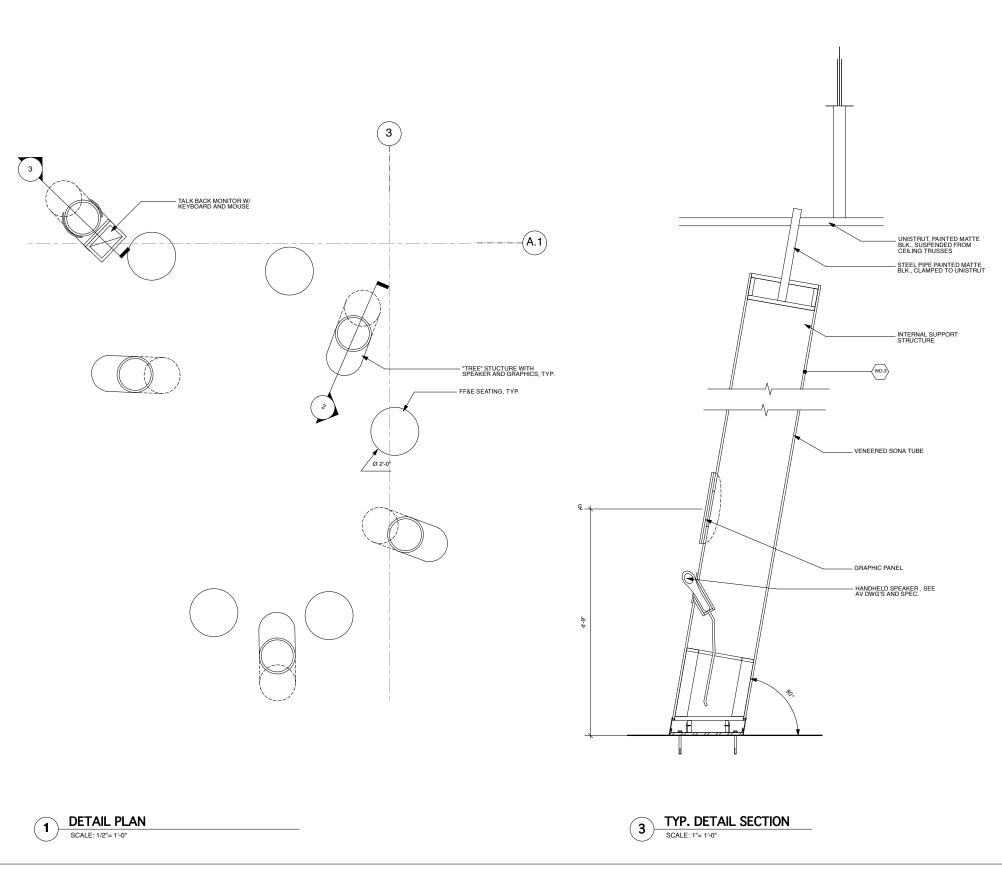
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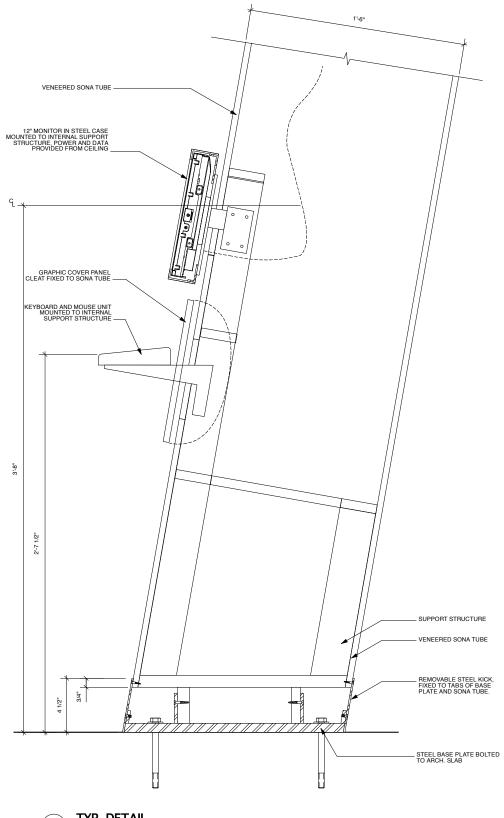
80% FD	Dec.19, 2008	
FD WS4	Nov.18, 2008	
FD WS3	Oct.16, 2008	
No. / Issue Name / Date		

Level 4 - Life Observatory: Alpine Diorama Date Project No.

0275 Dec. 19, 2008 Scale*

As Noted X4-LF-3.80





TYP. DETAIL SCALE: 3"= 1'-0"

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Exhibit Construction

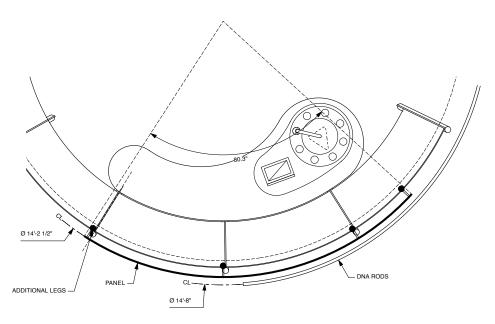
	NORTH
Key Plan	

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١	100% DD	June 2, 2008
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	WS9	March. 26, 2008
	WS8	Feb. 20, 2008
	WS7	Dec. 18, 2007
	50% DD	Sept. 18, 2007
	WS6	July 11, 2007
	WS5	May 23, 2007
	WS4	April 12, 2007

No. / Issue Name / Date

	Sheet Title Level 3 - Life Observatory: Human Interactions	
	Date	Project No.
	Dec. 19, 2008	0275
80% FD Dec.19, 2008 FD WS4 Nov.18, 2008	Scale*	Sheet No.
FD WS3 Oct.16, 2008	As Noted	X3-LF-3.90

No. / Issue Name / Date



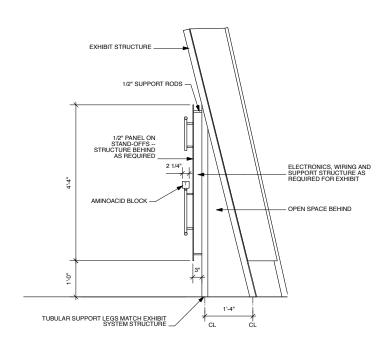
PLAN VIEW SCALE: 3/4" = 1'-0"

PAINTED DNA KEYS WITH SS UPPER DNA STAINLESS STEEL - AMINOACID BLOCK BIN FOR AMINO ACID BLOCKS -LOWER DNA STAINLESS STEEL ROD PAINTED DNA KEYS WITH SS —
LETTERFORM -- CHARACTER TBD

DEVELOPED ELEVATION SCALE: 3/4" = 1'-0"

LEARNING OUTCOME: VISITORS UNDERSTAND THAT DNA STORES INFORMATION THAT IS TRANSLATED INTO PROTEINS.

VISITORS ARE ENCOURAGED TO DETACH THE PUZZLE PIECES AND RETURN TO THE BIN.





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Design Architect

Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

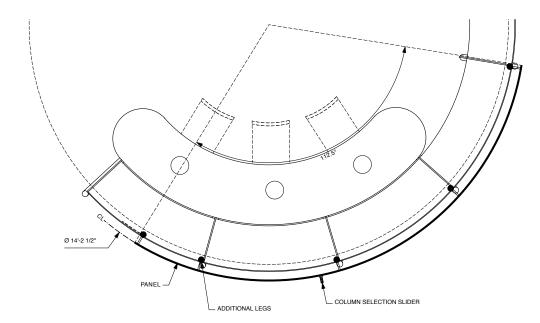
BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.



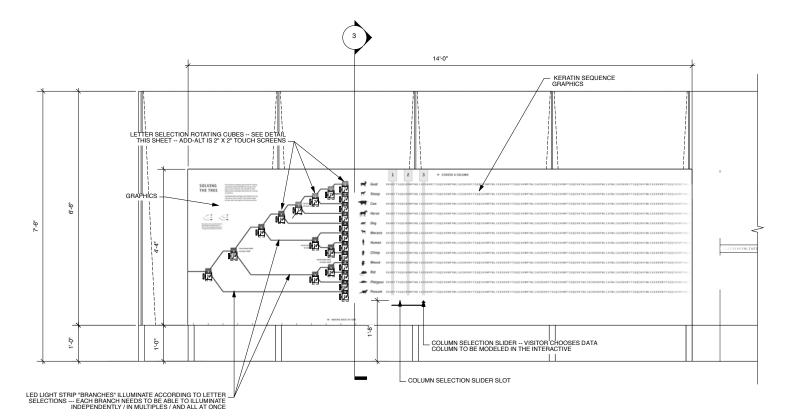
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	_;	50% DD		Sept. 18		
		WS6		July 11,	2007	_
		WS5		May 23		
_	\neg	WS4		April 12	. 2007	7

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XG 60% CI		•		
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WS8	Feb. 20, 2008	•		
WS7	Dec. 18, 2007	•		
50% DD	Sept. 18, 2007			
WS6	July 11, 2007		80% FD	Dec.19, 200
WS5	May 23, 2007		FD WS4	Nov.18, 20
WS4	April 12, 2007		FD WS3	Oct.16, 200
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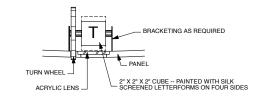
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	Date	Project No.
	Dec. 19, 2008	0275
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16, 2008	varies	X4-LF-4.00
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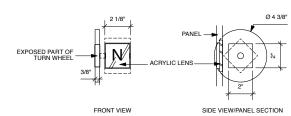
PLAN VIEW SCALE: 3/4" = 1'-0"







TOP VIEW/PANEL SECTION



REVOLVING LETTER CUBE CONCEPT

EXHIBIT STRUCTURE OPEN SPACE BEHIND TUBULAR SUPPORT LEGS MATCH EXHIBIT SYSTEM STRUCTURE

SECTION

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Architect of Record

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Mechanical/Plumbing/FP Engineer

Electrical/AV Engineer

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.



Key Plan

No. / Issue Name / Date

FD WS2rev	Sept.22, 2008
FD WS2	Sept.9, 2008
100% DD	June 2, 2008
XG 60% CD	
WS9	March. 26, 2008
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WS6	July 11, 2007
WS5	May 23, 2007

80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008

No. / Issue Name / Date

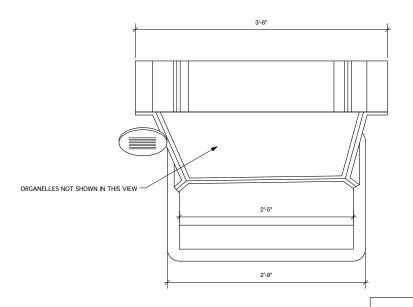
Level 4 Details: Keratin Sequencing Game

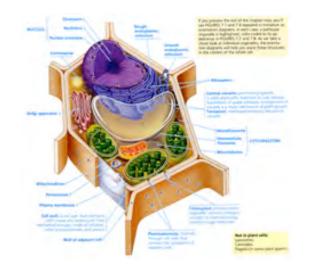
-Visitors pull a lever to select one of 3 highlighted positions on the keratin sequences. The 3 positions are noted by skill level (easy, medium, hard). In the easy position, most of the nodes have been "solved," in the medium version no nodes are solved, but there is feedback at each node (lights but at correct selection); in the hard version, there is no feedback until all correct node selections have made.

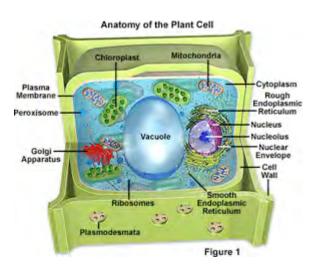
• Working sequentially, visitors pick the amino acids at each node until the entire tree lights up.

0275

X4-LF-4.10



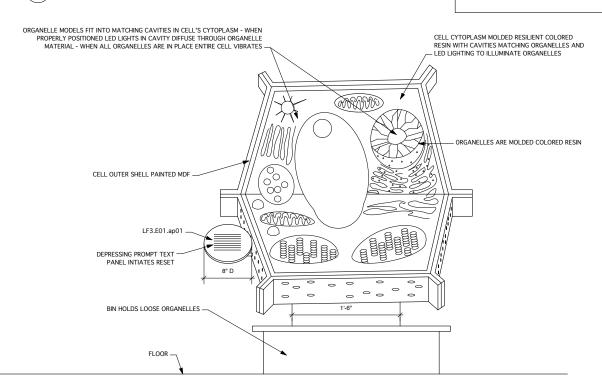


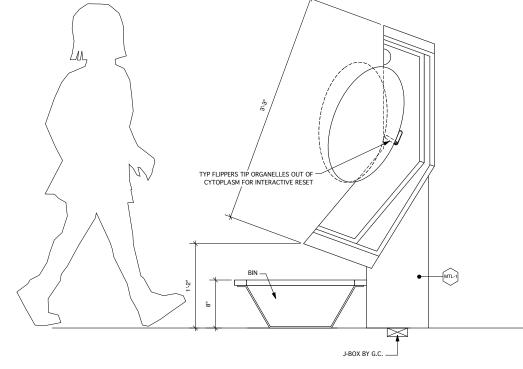


REFERENCE SCALE: NTS

PLAN VIEW LF3.E01.in1 SCALE: 1-1/2" = 1'-0"

PLANT CELL INTERACTIVE ORGANELLES THAT THE VISITOR WOULD INSTALL ARE: THE NUCLEUS, CHLOROPLAST, MITOCHONDRION, GOLGI BODY, RIBOSOMES. THE OTHER ORGANELLES ARE PERMANENTLY IN PLACE AND PART OF THE CYTOPLASM MOLDED PART. CELL WALL TO BE RIGID CAST MATERIAL





SIDE VIEW SCALE: 1-1/2" = 1'-0"

FRONT VIEW SCALE: 1-1/2" = 1'-0"

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

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Mechanical/Plumbing/FP Engineer

Electrical/AV Engineer Spectrum Engineers 175 South Main Street Salt Lake City, Utah 84111 800.678.7077 tel Landscape Architect

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.



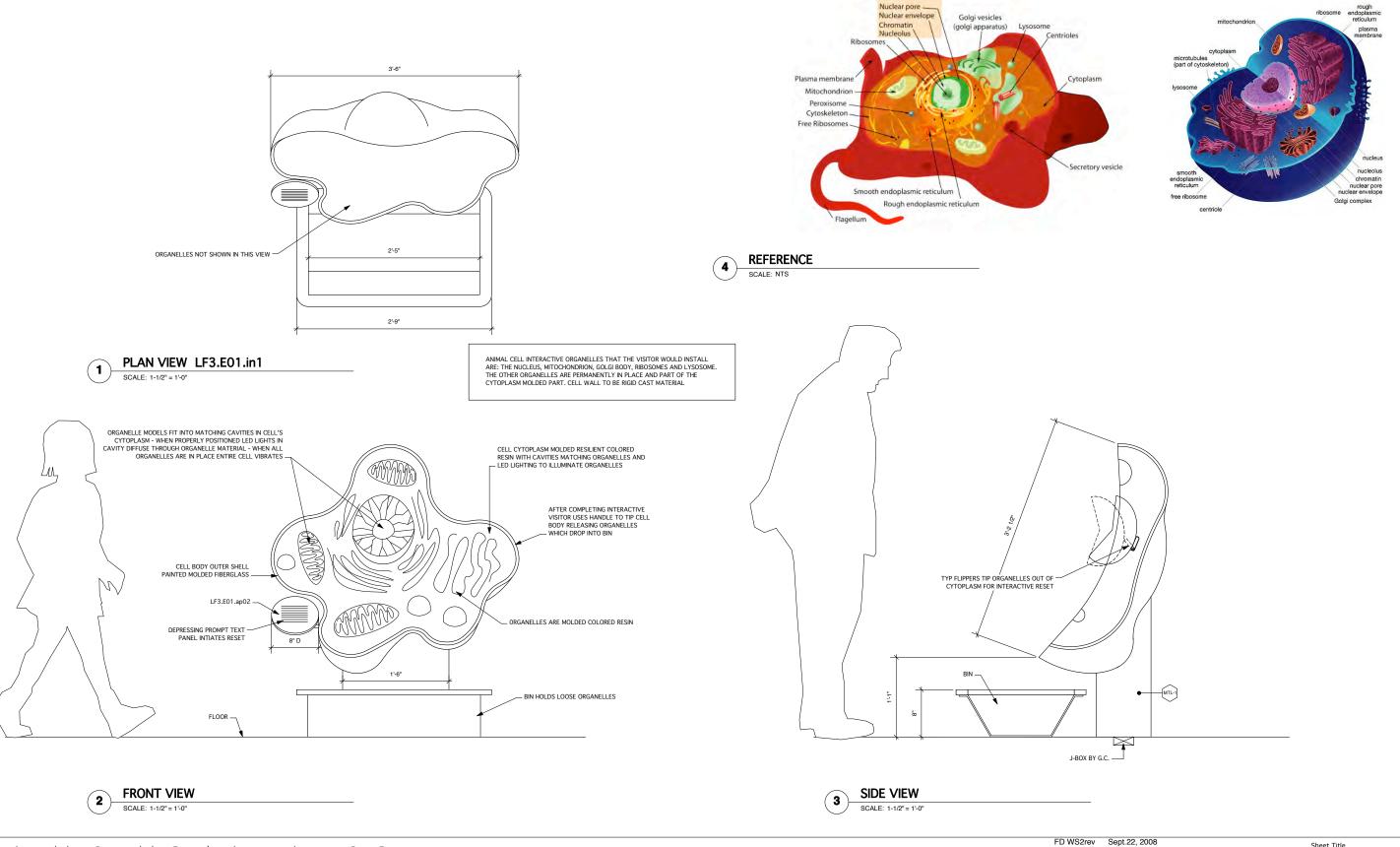
FD WS2rev	Sept.22, 2008
FD WS2	Sept.9, 2008
	ne 2, 2008
XG 60% CD	May 5, 2008
	arch. 26, 2008
	eb. 20, 2008
	Dec. 18, 2007
50% DD S	Sept. 18, 2007
WS6	luly 11, 2007
	May 23, 2007
10/04	Noril 12 2007

No. / Issue Name / Date

FD WS3 Oct.16, 2008

Level 4 Details: Build a Plant Cell Interactive Dec. 19, 2008 0275

Sheet No. X4-LF-4.20



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Mechanical/Plumbing/FP Engineer

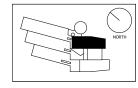
Electrical/AV Engineer Spectrum Engineers 175 South Main Street Salt Lake City, Utah 84111 800.678.7077 tel

Landscape Architect Design Workshop, Inc. 1796 Prospector Avenue Park City, Utah 84060 435.655.0915 tel.

Branston Partnership 122 West 26th Street New York, NY 10001 212.924.4050 tel.

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction



Key Plan

٦	FD WS2	Sept.9, 2008
П	100% DD	June 2, 2008
1	XG 60% CD	
1	WS9	March. 26, 2008
1	WS8	Feb. 20, 2008
1	WS7	Dec. 18, 2007
1	50% DD	Sept. 18, 2007
1	WS6	July 11, 2007 May 23, 2007
1	WS5	May 23, 2007
_	WS4	April 12 2007

No. / Issue Name / Date

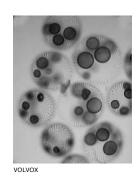
FD WS3 Oct.16, 2008 No. / Issue Name / Date

Level 4 Details: Build an Animal Cell Interactive Dec. 19, 2008 0275 Sheet No.

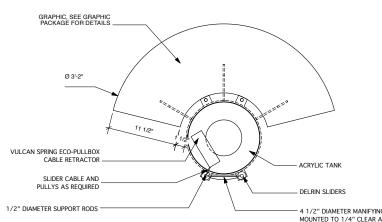
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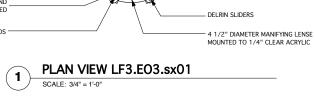


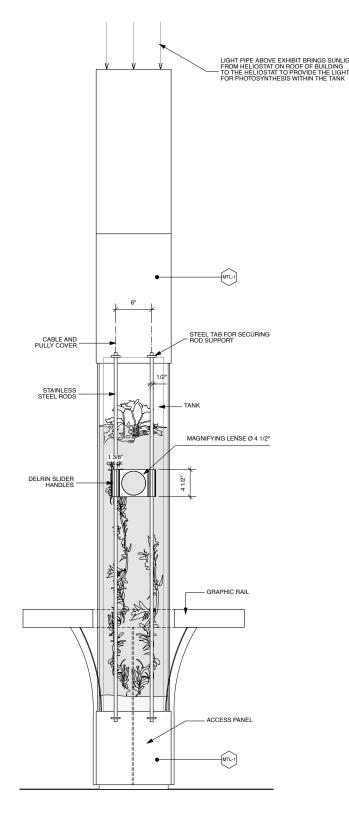




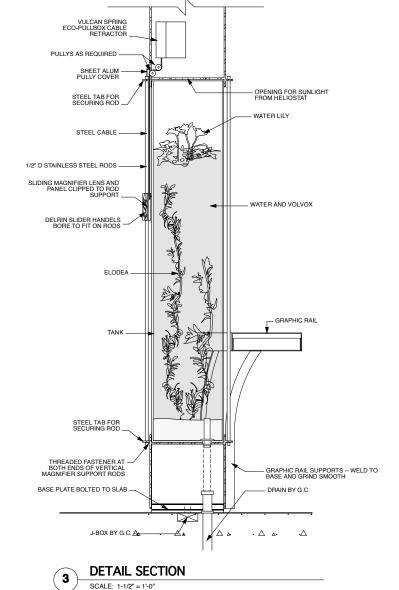












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Electrical/AV Engineer

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Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



FD WS2rev	Sept.22, 2008
FD WS2	Sept.9, 2008
100% DD	June 2, 2008
XG 60% CD	
WS9	March. 26, 2008
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WS7	Dec. 18, 2007
50% DD	Sept. 18, 2007
WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007

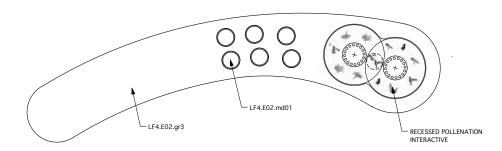
No. / Issue Name / Date

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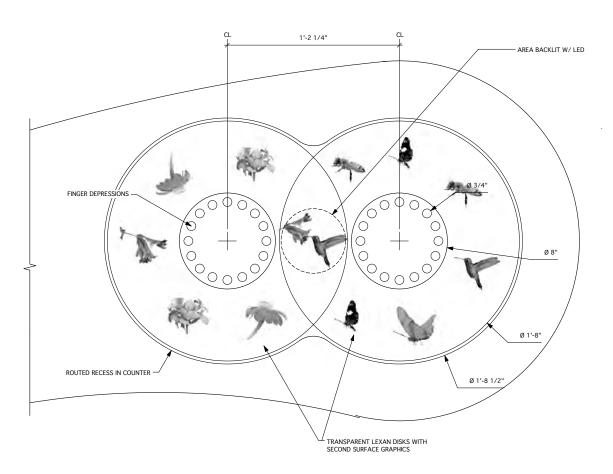
Sheet Title
Level 4 Details: Photosynthesis Interactive Date Project No.

0275 Dec. 19, 2008 Sheet No. X4-LF-4.30

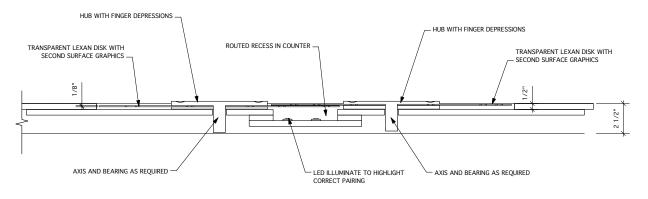
FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008 No. / Issue Name / Date



PLAN VIEW LF4.E02.in01



DETAIL PLAN



SECTION VIEW SCALE: 3" = 1'-0"

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Exhibit Construction Key Plan

FD WS2rev Sept.22, 2008 FD WS2 Sept.9, 2008 100% DD June 2, 2008 XG 60% CD May 5, 2008 WS8 WS7 50% DD

March 26 2008

No. / Issue Name / Date

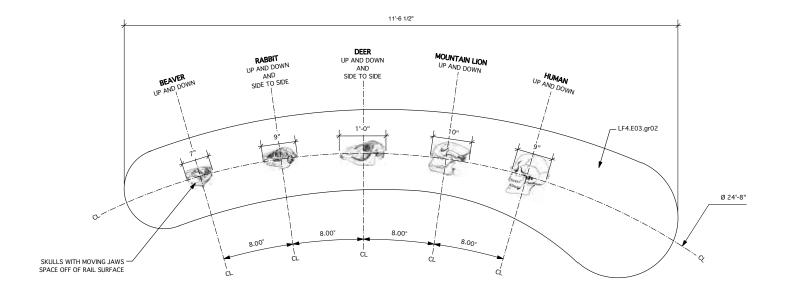
80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008 Sheet Title
Level 4 Details: Pollenation Interactive

Date Dec. 19, 2008

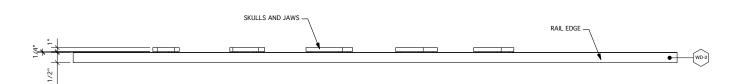
Project No. 0275 Sheet No.

No. / Issue Name / Date

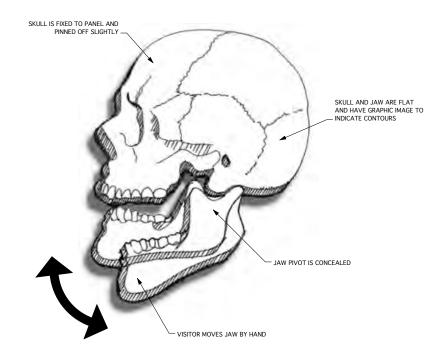
X4-LF-4.50



PLAN VIEW LF4.E03.in01 SCALE: 1" = 1'-0"



FRONT VIEW SCALE: 1" = 1'-0"



IMPORTANT NOTE: HUMAN JAW (SHOWN) DEMONSTRATES UP AND DOWN MOVEMENT ONLY -- ANIMAL JAWS THAT HAVE SIDE TO SIDE MOVEMENT TO UTILIZE A CAM PIVOT TO VARY THE JAW'S HEIGHT OFF OF THE COUNTER -- UP AND DOWN MOVEMENT MAY ALSO INCUDE FORWARD AND BACK GRINDING MOTION AND ALL SHOULD BE PRICED AS SUCH

TYP SKULL OPERATION SCALE: HALF SCALE

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Architect of Record

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Electrical/AV Engineer

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Exhibit Construction

	FD WS2rev Sept.22, 2008
	FD WS2 Sept.9, 2008
\wedge)	100% DD June 2, 2008
	XG 60% CD May 5, 2008
NORTH	WS9 March. 26, 2008
	WS8 Feb. 20, 2008
	WS7 Dec. 18, 2007
	50% DD Sept. 18, 2007
	WS6 July 11, 2007
	WS5 May 23, 2007
	WS4 April 12, 2007

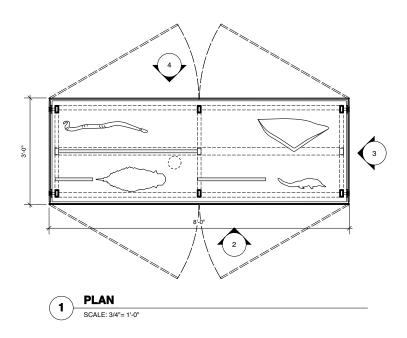
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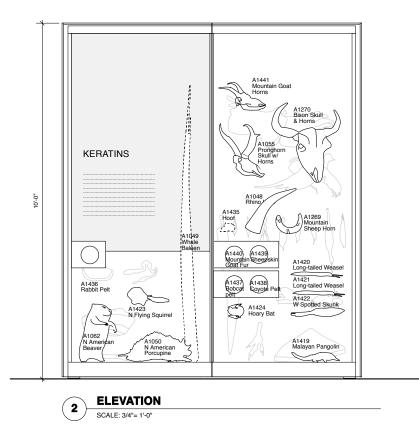
Sheet Title Level 4 Details: Jaw Movement	
Date	Project No.

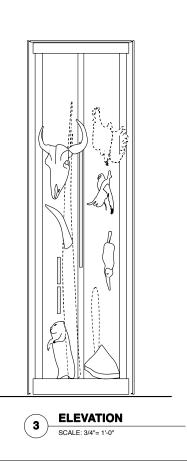
Dec. 19, 2008 0275 80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008

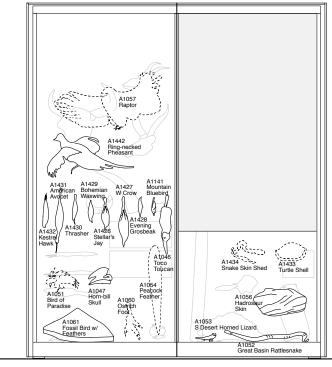
No. / Issue Name / Date

X4-LF-4.60











1. SEE X-TYP-1.00 FOR GLASS CASE SCHEDULE AND TYP. CASE DWGS FOR BRACKET & PANEL DTLS

2. SEE CASEWORK SPECIFICATIONS

3/4"=1'-0"

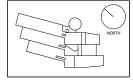
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Mechanical/Plumbing/FP Engineer

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction Key Plan



FD WS	
FD WS	Sept.9, 2008
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XG 60°	
WS9	March. 26, 2008
WS8	Feb. 20, 2008
WS7	Dec. 18, 2007
50% D	D Sept. 18, 2007
WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007
No. / Issu	ie Name / Date

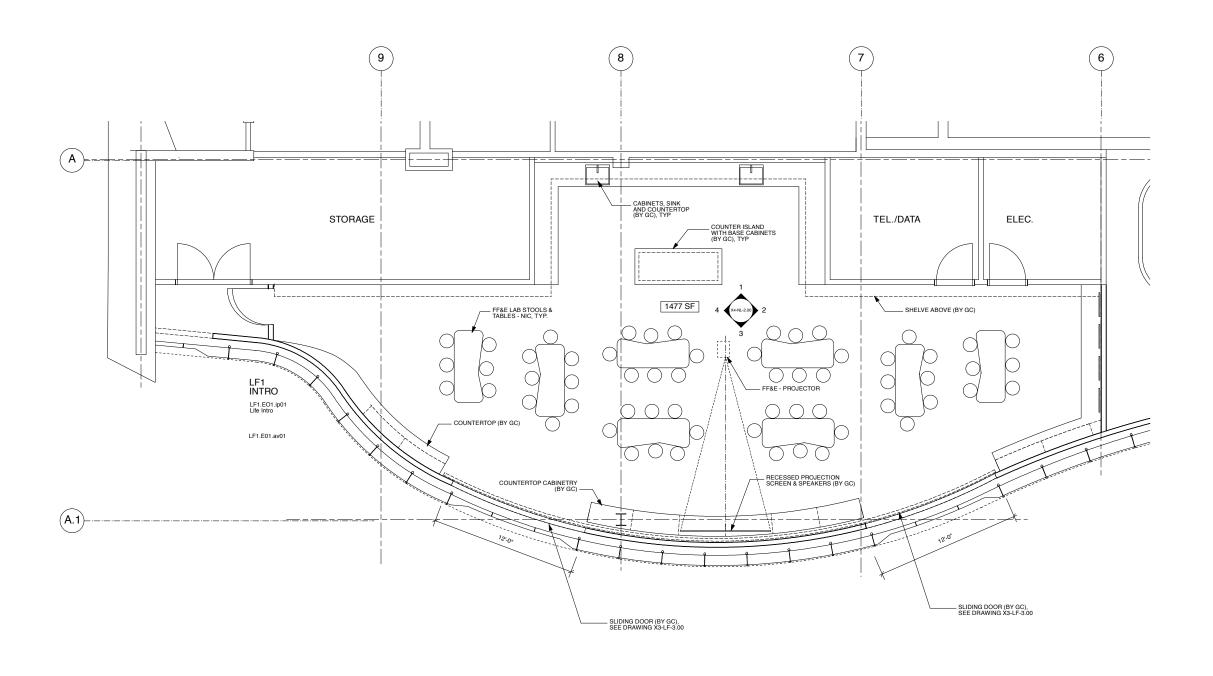
FD WS3	Oct.16, 2008	
No. / Issue I	Name / Date	

Sheet Title
Exhibit Case Layouts
LF2.E03.ca01

Date Project No. 0275 Nov. 3, 2008 Sheet No. Scale*

*Note: Scale Given for Full Size Drawing Sheet (22" x 34")

X4-LF-5.10



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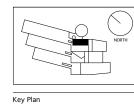
Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Spectrum Engineers 175 South Main Street Salt Lake City, Utah 84111 800.678.7077 tel

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



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FD WS2 Sept.9, 2008
100% DD June 2, 2008
XG 60% CD May 5, 2008
WS9 March. 26, 2008 No. / Issue Name / Date

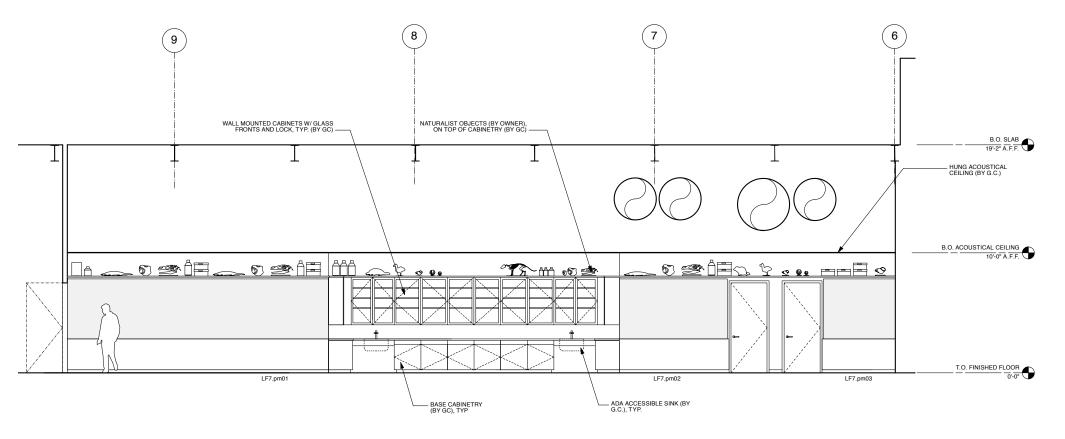
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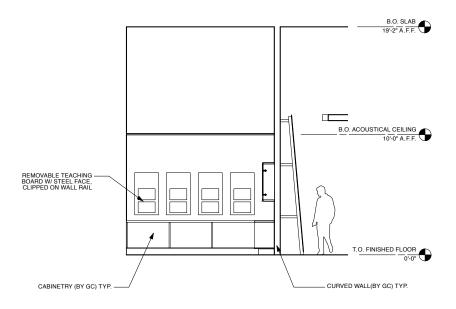
Sheet Title Level 4 Partial Plan: Naturalist Lab Date

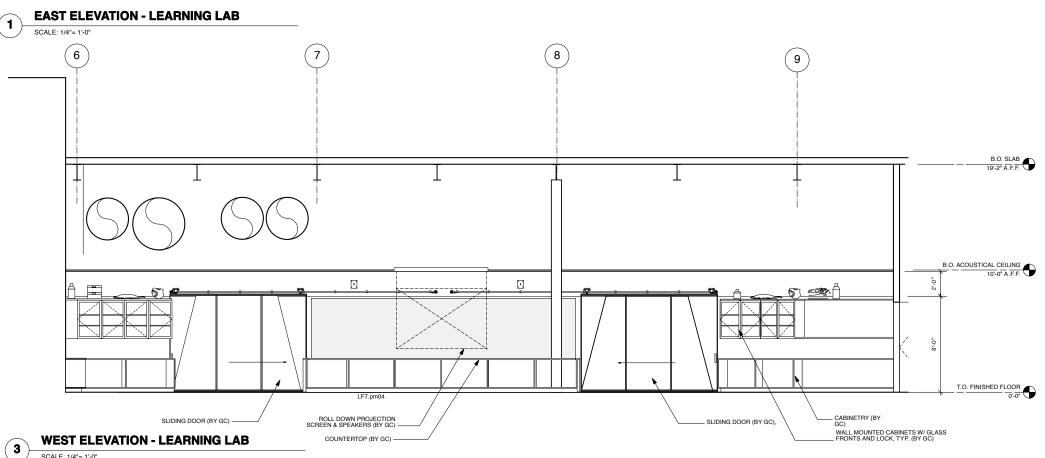
Project No. Feb. 6, 2008 0275 Sheet No. Scale*

*Note: Scale Given for Full Size Drawing Sheet (22" x 34")

X4-NL-1.00







LEARNING LAB SECTION ALONG COLUMN LINE 7

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Electrical/AV Engineer Spectrum Engineers 175 South Main Street Salt Lake City, Utah 84111 800.678.7077 tel

Branston Partnership 122 West 26th Street New York, NY 10001 212.924.4050 tel.

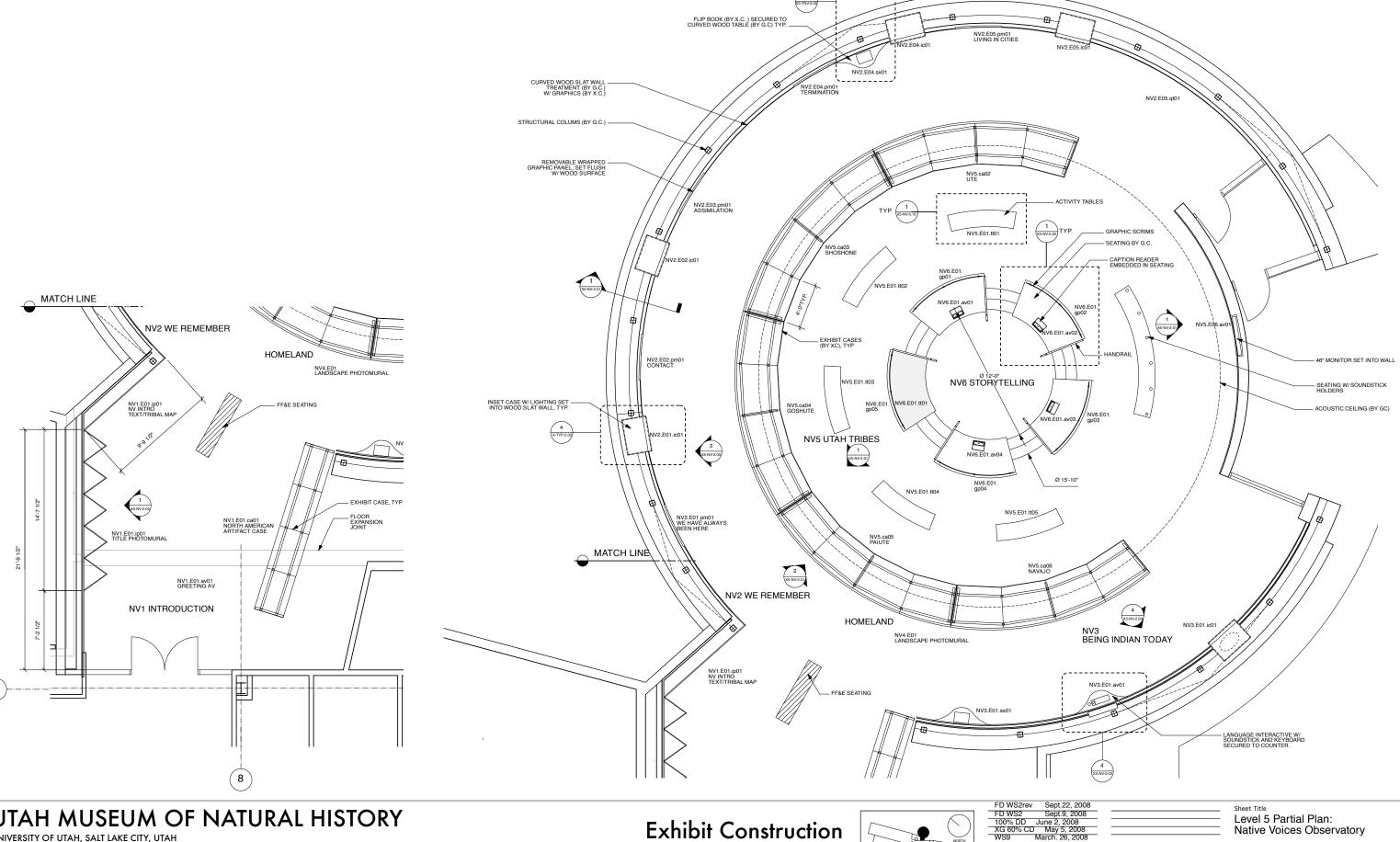
BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction Key Plan

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\wedge \vee	100% DD June 2, 2	
\sim	XG 60% CD May 5,	
NORTH	WS9 March. 26	
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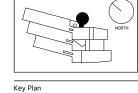
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	WS7	Dec. 18, 2007
	50% DD	Sept. 18, 2007
	WS6	July 11, 2007
	WS5	May 23, 2007
	WS4	April 12, 2007

	Sheet TitleNaturalist LabSections/Eleven	
	Date	Project No.
	Dec. 19, 2008	0275
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D WS3 Oct.16, 2008	1/4"=1'-0"	X4-NL-2.0
. / Issue Name / Date		 .,



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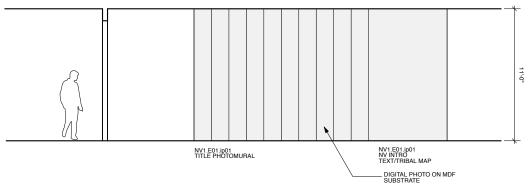
BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.



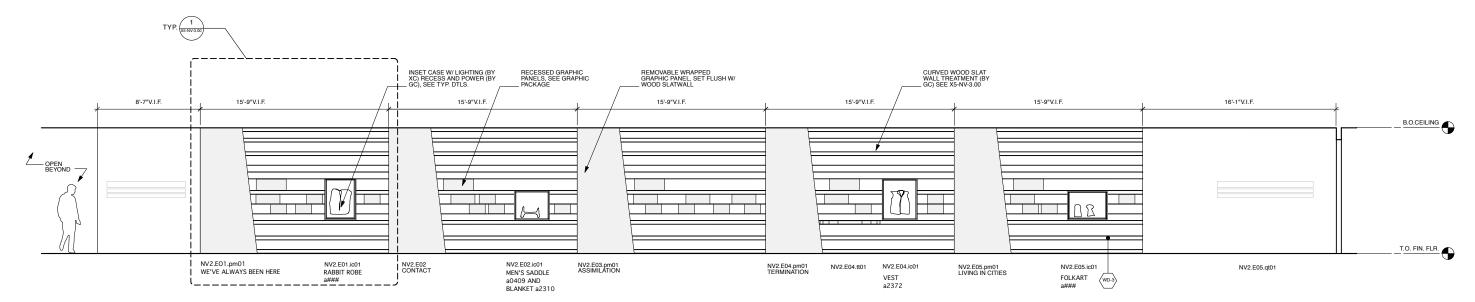
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WS7	Dec. 18, 2007
50% DD	Sept. 18, 2007
WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007

		Sheet Title Level 5 Partia Native Voices	al Plan: s Observatory
		Date	Project No.
		Dec. 19, 2008	0275
80% FD FD WS4	Dec.19, 2008 Nov.18, 2008	Scale*	Sheet No.
FD WS3	Oct.16, 2008	1/4"=1'-0"	Y5_N\\/_1

No. / Issue Name / Date

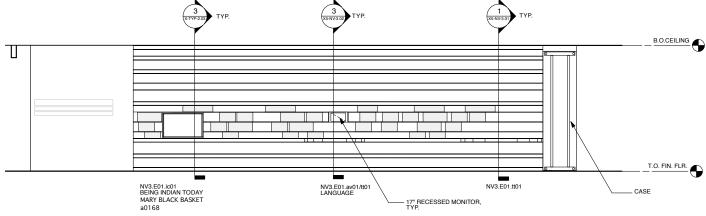


DEVELOPED ELEVATION: INTRO AREA



DEVELOPED ELEVATION: WE REMEMBER

SCALE: 1/4"= 1'-0"



DEVELOPED ELEVATION: BEING INDIAN TODAY SCALE: 1/4"= 1'-0"

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(3)

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Electrical/AV Engineer

Landscape Architect Lighting

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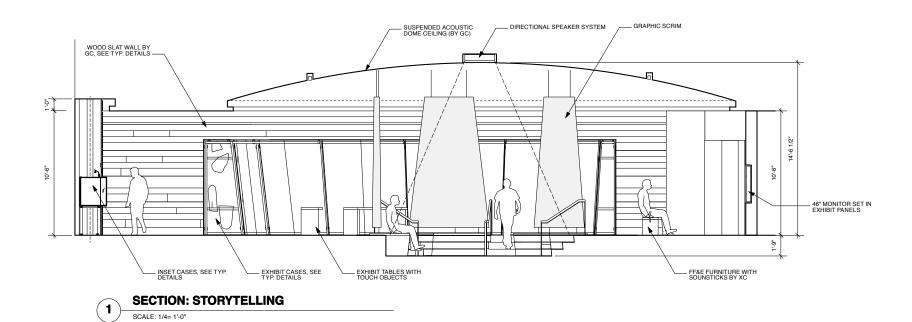
Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

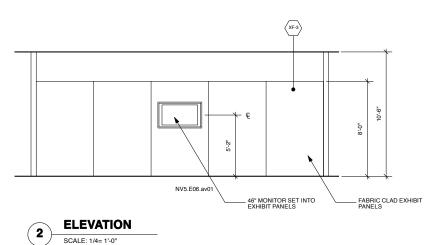
Exhibit Construction Key Plan

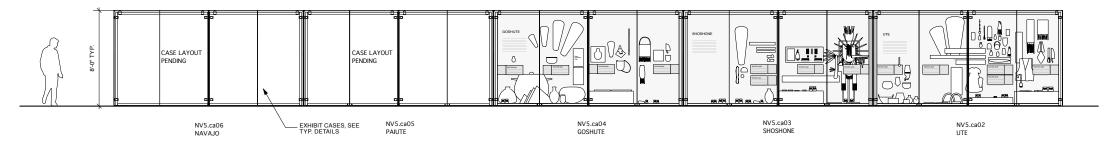
	I D VVOZIEV	Oept.22, 2000
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	WS5	May 23, 2007
	WS4	April 12 2007

No. / Issue Name / Date

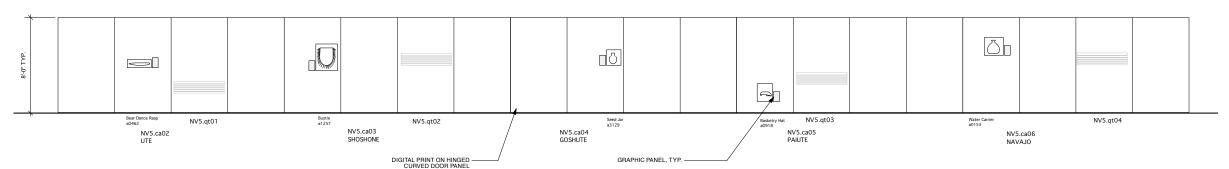
Sections & Elevations: Native Voices Observatory Project No. Dec. 19, 2008 Sheet No. FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008 X5-NV-2.00 No. / Issue Name / Date











DEVELOPED ELEVATION: HOMELAND PHOTOMURAL SCALE: 1/4= 1'-0"

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Design Architect

Architect of Record

Structural Engineer

Mechanical/Plumbing/FP Engineer

Electrical/AV Engineer

Exhibit Construction Key Plan

	FD WS2rev	Sept.22, 2008
_	FD WS2	Sept.9, 2008
_	100% DD	June 2, 2008
-	XG 60% CL	
-	WS9	March. 26, 2008
-	WS8	Feb. 20, 2008
_	WS7	Dec. 18, 2007
	50% DD	Sept. 18, 2007
	WS6	July 11, 2007
_	WS5	May 23, 2007
	WS4	April 12, 2007

80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008

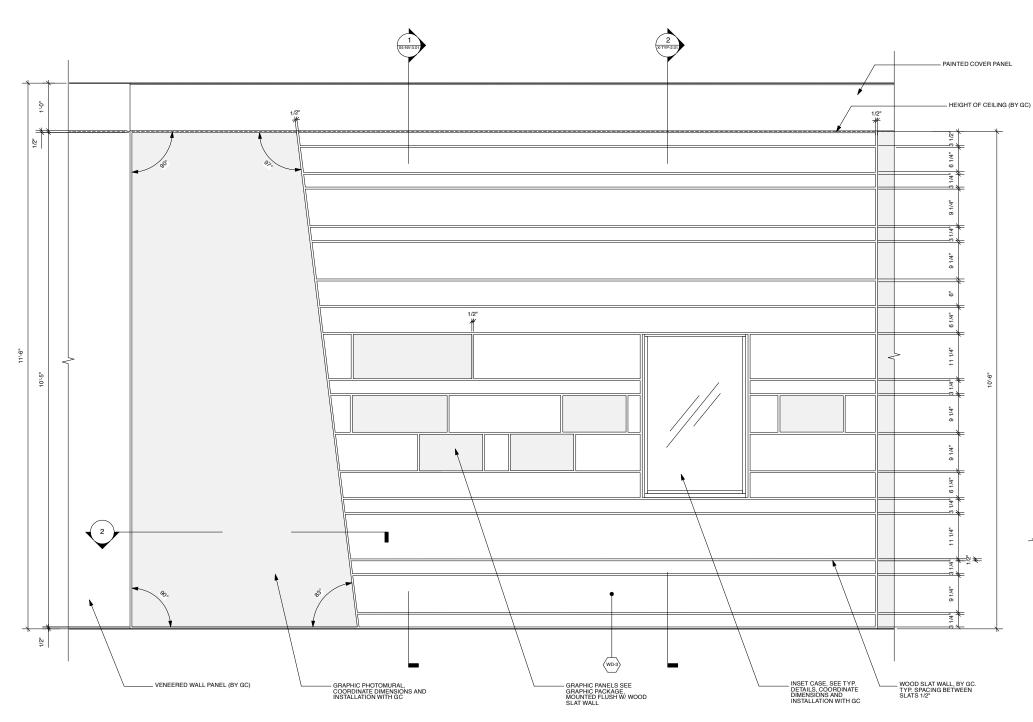
Sheet Title Sections & Elevations: Native Voices Observatory

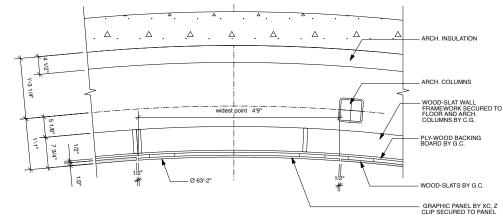
NOTE:
1. OBJECTS SHOWN REPERESENT DATABASE
QUANTITIES.
2. CASE LAYOUT PENDING DEVELOPMENT OF
CONTENT OUTLINE.
3. CONTRACTOR TO ALLOW FOR 40 SUPPORT
BRACKETS PER CASE.

Project No. 0275 Dec. 19, 2008 Sheet No.

1/4"=1'-0"

X5-NV-2.01





SECTION: WE REMEMBER WALL

TYP. DETAIL PLAN: INSET PANEL

SCALE: 1"= 1'-0"

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UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Design Architect

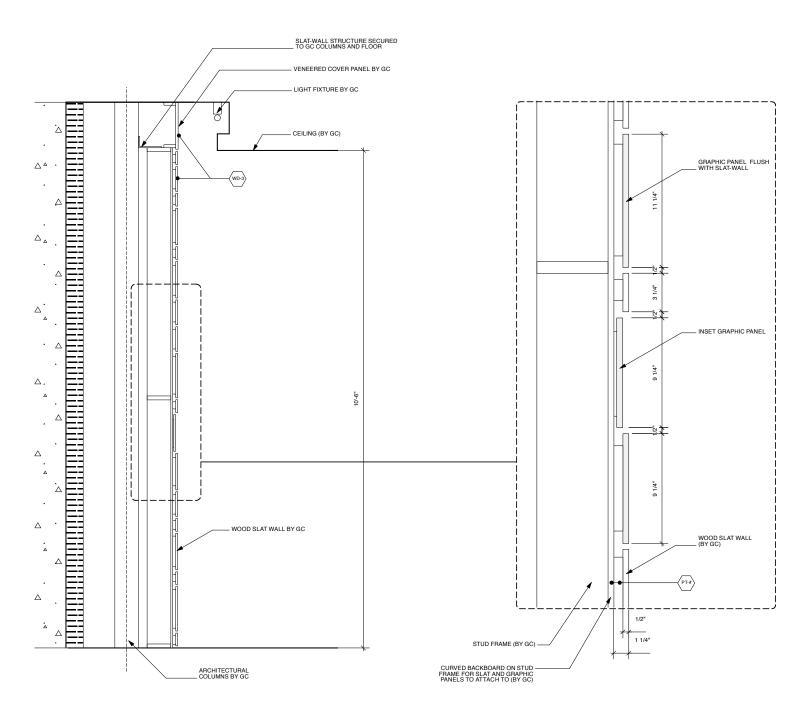
Architect of Record Gillies Stransky Brems Smith 375 West 200 South Salt Lake City, Utah 801.521.8600 tel. Structural Engineer Leslie E. Robertson Associate 30 Broad Street New York, New York 10004 212.750.9000 tel. Mechanical/Plumbing/FP Engineer

Electrical/AV Engineer Spectrum Engineers 175 South Main Street Salt Lake City, Utah 84111 800.678.7077 tel



	FD WS2rev	Sept.22, 2008
·	FD WS2	Sept.9, 2008
	100% DD	June 2, 2008
	XG 60% CD	
	WS9	March. 26, 2008
	WS8	Feb. 20, 2008
	WS7	Dec. 18, 2007
	50% DD	Sept. 18, 2007
	WS6	July 11, 2007
	WS5	May 23, 2007
	WS4	April 12, 2007

Sheet Title
Level 5 Details:
Native Voices Observatory Project No. 0275 Dec. 19, 2008 80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008 Sheet No. 1/4"=1'-0" X5-NV-3.00



SECTION: GENERATIONAL MEMORY WALL SCALE: 1"= 1'-0"

INSET CASES.

2. SEE CASE AND GRAPHIC PANEL SCHEDULES FOR ADDITIONAL INFO

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UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

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Electrical/AV Engineer

Landscape Architect

Audio Visual

Exhibit Construction Key Plan

FD W32IEV	3ept.22, 2006
FD WS2	Sept.9, 2008
100% DD	June 2, 2008
XG 60% CD	
WS9	March. 26, 2008
WS8	Feb. 20, 2008
WS7	Dec. 18, 2007
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WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007

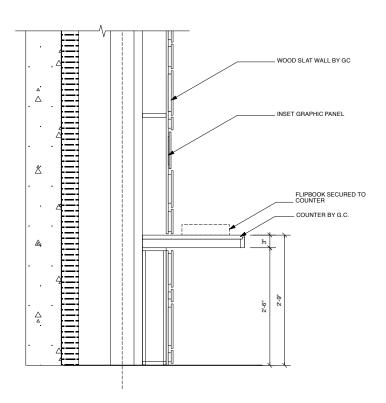
100% DD June 2, 2008	
XG 60% CD May 5, 2008	
WS9 March. 26, 2008	
WS8 Feb. 20, 2008	
WS7 Dec. 18, 2007	
50% DD Sept. 18, 2007	
WS6 July 11, 2007	80% FD Dec.19, 2008
WS5 May 23, 2007	FD WS4 Nov.18, 2008
WS4 April 12, 2007	FD WS3 Oct.16, 2008
No. / Issue Name / Date	No. / Issue Name / Date

Sheet Title
Level 5 Details: Native Voices Observatory Project No. Dec. 19, 2008

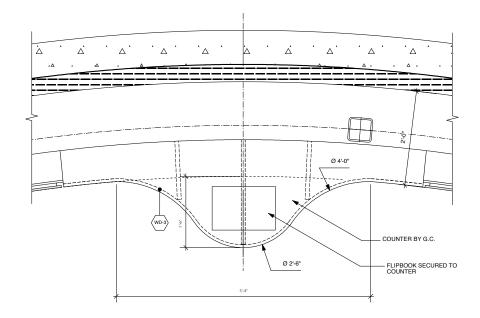
1/4"=1'-0"

X5-NV-3.01

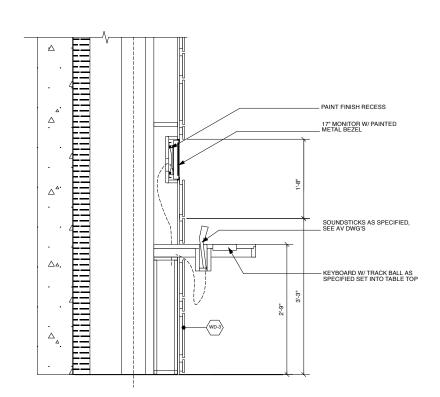
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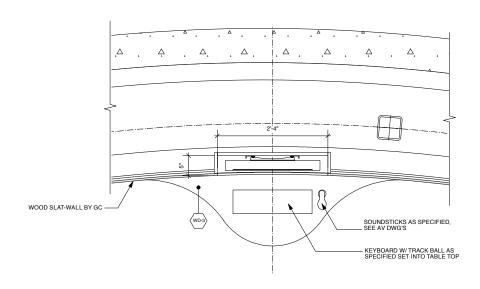
TYP. DETAIL SECTION: SHELF



TYP. DETAIL PLAN: SHELF SCALE: 1"= 1'-0"



TYP. DETAIL SECTION: INSET AV MONITOR



TYP. DETAIL PLAN: INSET AV MONITOR

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Design Architect

Architect of Record Gillies Stransky Brems Sm 375 West 200 South Salt Lake City, Utah 801.521.8600 tel.

Structural Engineer Leslie E. Robertson Associate 30 Broad Street New York, New York 10004 212.750.9000 tel.

Mechanical/Plumbing/FP Engineer

Electrical/AV Engineer Spectrum Engineers 175 South Main Street Salt Lake City, Utah 84111 800.678.7077 tel

Design Workshop, Inc. 1796 Prospector Avenue Park City, Utah 84060 435.655.0915 tel.

Exhibit Construction Ralph Appelbaum Associate 88 Pine Street New York, New York 10005 212.334.8200 tel.

FD WS2rev	Sept.22, 2008
FD WS2	Sept.9, 2008
	June 2, 2008
XG 60% CD	May 5, 2008
	March. 26, 2008
WS8	Feb. 20, 2008
WS7	Dec. 18, 2007
50% DD	Sept. 18, 2007
WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007

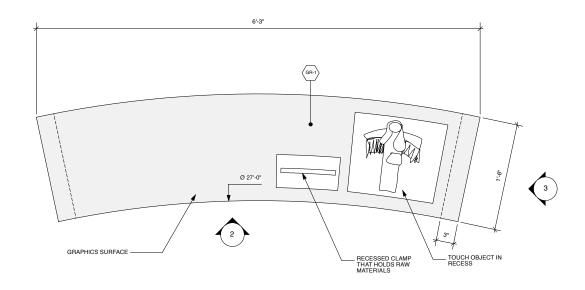
80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008

Sheet Title
Level 5 Details:
Native Voices Observatory

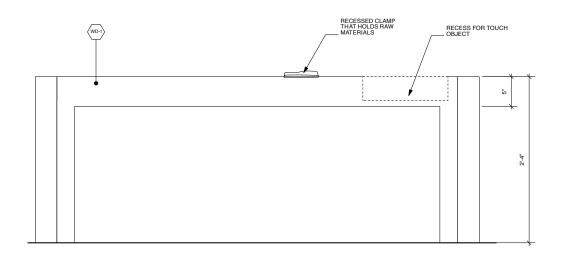
Project No. 0275 Dec. 19, 2008 Sheet No.

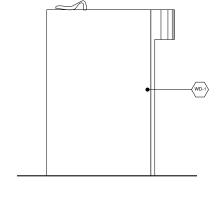
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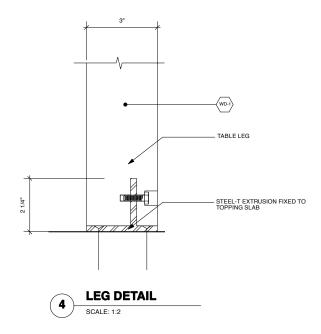
X5-NV-3.02











FRONT ELEVATION: TYP. ACTIVITY TABLE SCALE: 1-1/2 = 1'-0"

SIDE ELEVATION: TYP. ACTIVITY TABLE SCALE: 1-1/2 = 1'-0"

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Design Architect

Architect of Record Gillies Stransky Brems Smit 375 West 200 South Salt Lake City, Utah 801.521.8600 tel.

Structural Engineer Leslie E. Robertson Associate 30 Broad Street New York, New York 10004 212.750.9000 tel.

Mechanical/Plumbing/FP Engineer

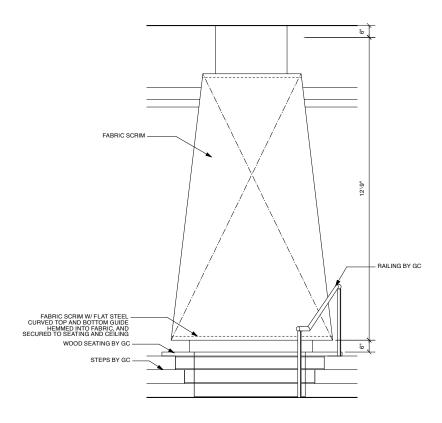
Electrical/AV Engineer



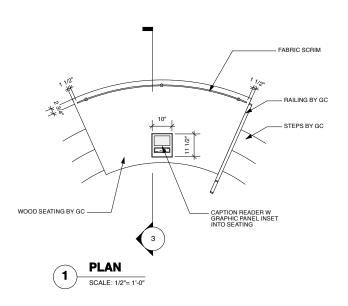
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FD WS2	Sept.9, 2008
100% DD	June 2, 2008
XG 60% CD	
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WS7	Dec. 18, 2007
50% DD	Sept. 18, 2007
WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007

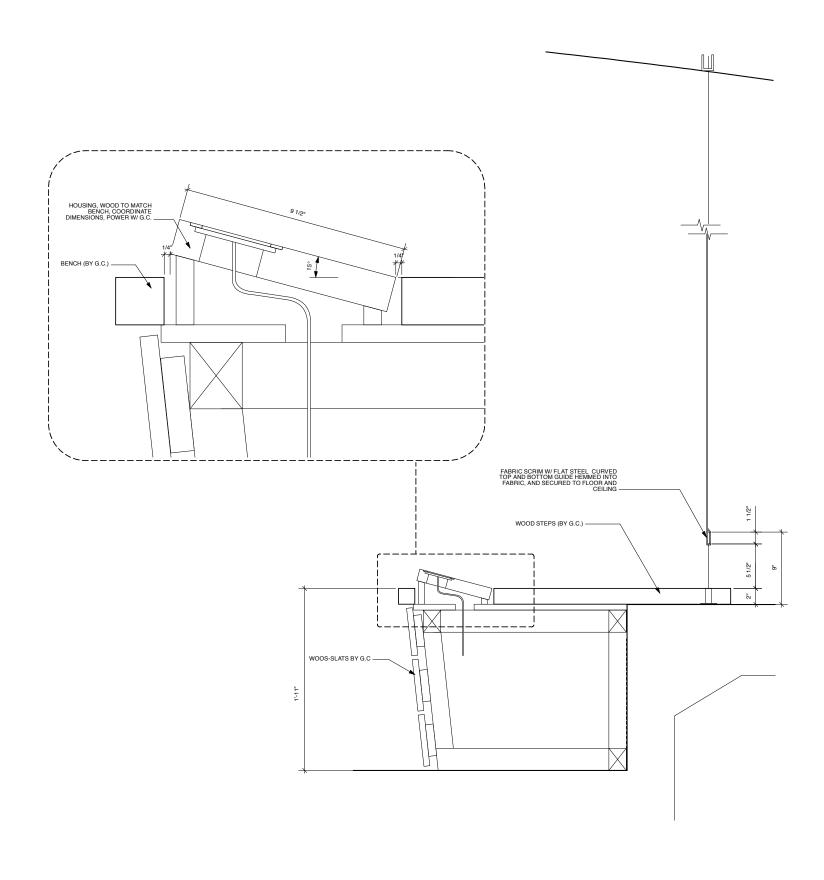
Sheet Title
Level 5 Details:
Native Voices Observatory Project No. 0275 Dec. 19, 2008 80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008

Sheet No. 1/4"=1'-0" X5-NV-3.10









UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Design Architect

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Mechanical/Plumbing/FP Engineer

Electrical/AV Engineer Spectrum Engineers 175 South Main Street Salt Lake City, Utah 84111 800.678.7077 tel

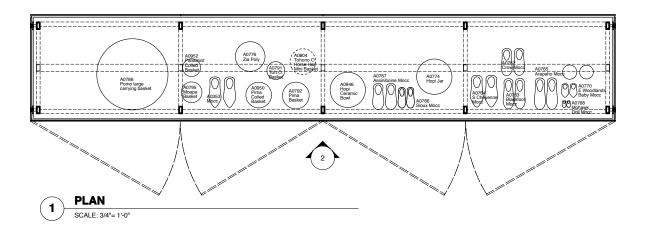


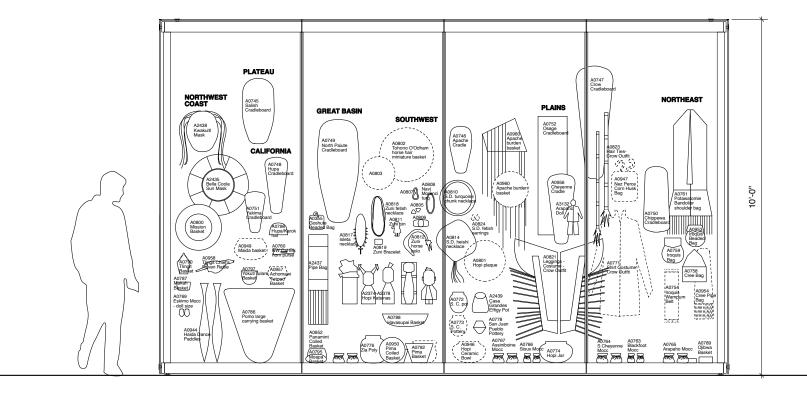
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100% DD	June 2, 2008
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WS9	March. 26, 2008
WS8	Feb. 20, 2008
WS7	Dec. 18, 2007
50% DD	Sept. 18, 2007
WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007

		Sheet Title Sections & Ele Native Voices	
		Date	Project No.
		 Dec. 19, 2008	0275
80% FD FD WS4	Dec.19, 2008 Nov.18, 2008	Scale*	Sheet No.
FD WS3	Oct.16, 2008	1/4"=1'-0"	X5-N\

1/4"=1'-0" X5-NV-3.20





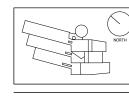
ELEVATION SCALE: 3/4"= 1'-0"

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Mechanical/Plumbing/FP Engineer

Exhibit Construction



	FD WS2rev	Sept.22, 2008
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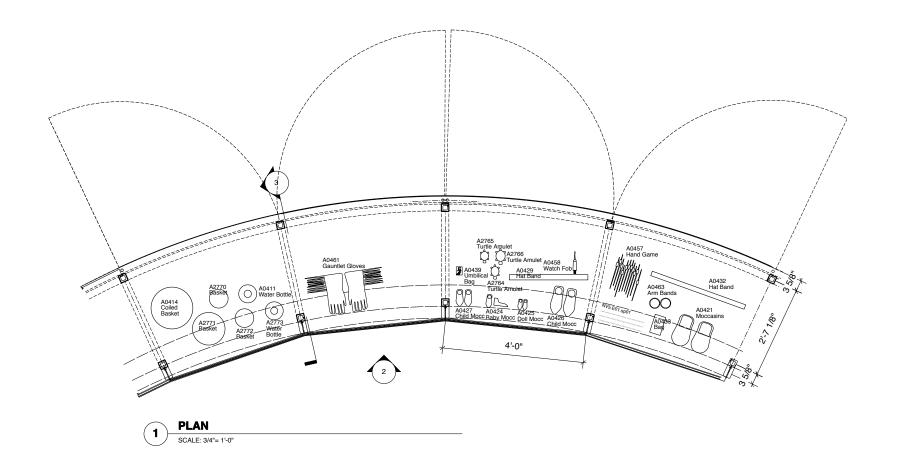
М	100% DD	
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	WS9	March. 26, 2008
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	WS5	May 23, 2007
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	No. / Issue Na	ame / Date

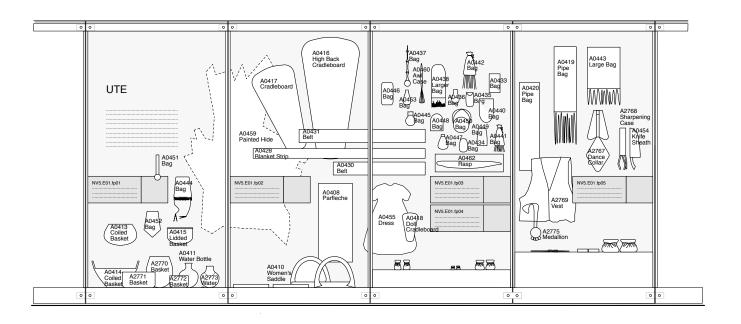
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	Date	Project No.
	Nov. 3, 2008	0275
	Scale*	Sheet No.
FD WS3 Oct.16, 2008	3/4"=1'-0"	X5-NV-5.10

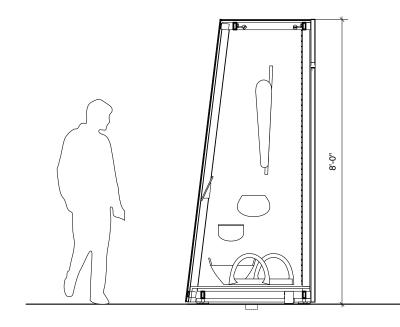
*Note: Scale Given for Full Size Drawing Sheet (22" x 34")

1. SEE X-TYP-1.00 FOR GLASS CASE SCHEDULE AND TYP. CASE DWGS FOR BRACKET & PANEL DTLS

2. SEE CASEWORK SPECIFICATIONS









UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Exhibit Construction

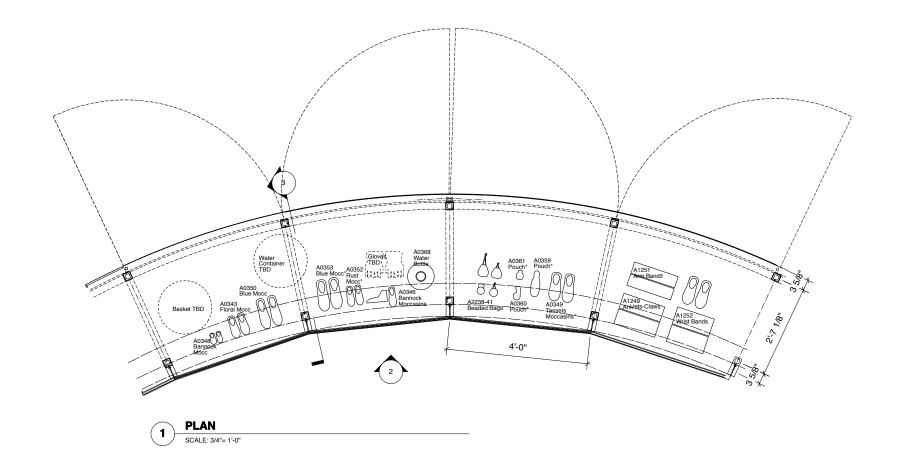
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71	100% DD	June 2, 2008
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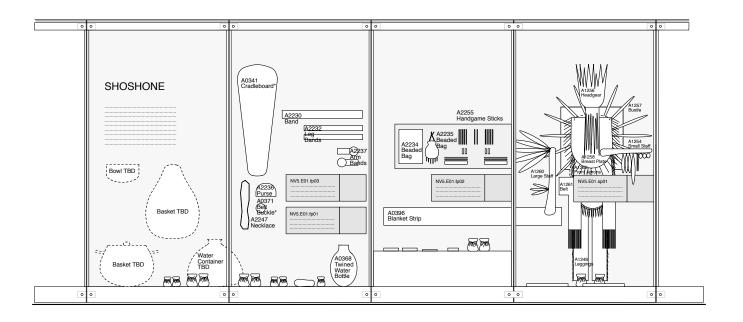
SECTION SCALE: 3/4"= 1'-0"

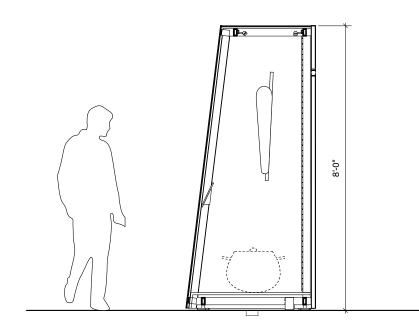
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	Date	Project No.
	Nov. 3, 2008	0275
	— Scale*	Sheet No.
FD WS3 Oct.16, 2008	3/4"=1'-0"	X5-NV-5.20

*Note: Scale Given for Full Size Drawing Sheet (22" x 34")

2. SEE CASEWORK SPECIFICATIONS









UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH



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	FD WS
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	50% DD	Sept. 18, 2007
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	WS4	April 12, 2007
	No. / Issue Nan	ne / Date

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SCALE: 3/4"= 1'-0"

	Sheet Title Exhibit Case NV5.E02.ca0	
	Date	Projec
	Nov. 3, 2008	0275
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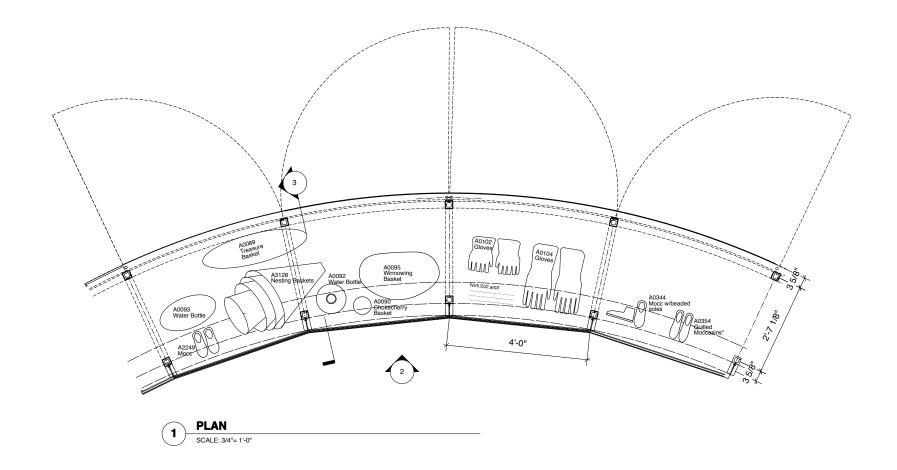
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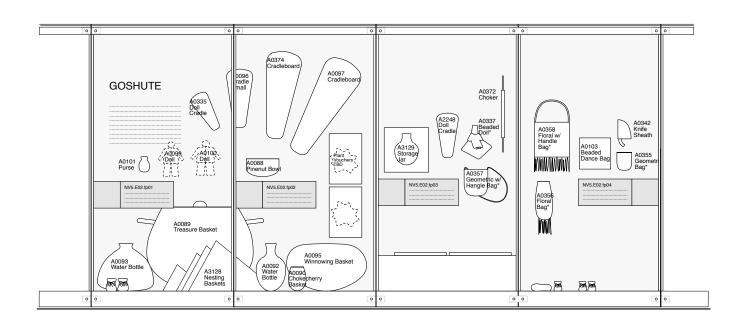
Project No.

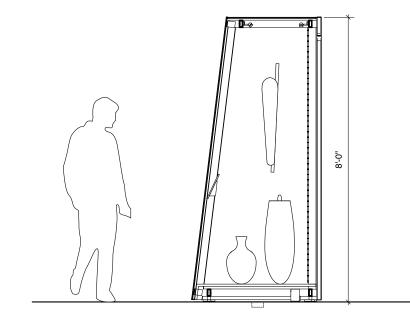
X5-NV-5.30

1. SEE X-TYP-1.00 FOR GLASS CASE SCHEDULE AND TYP. CASE DWGS FOR BRACKET & PANEL DTLS

2. SEE CASEWORK SPECIFICATIONS









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Mechanical/Plumbing/FP Engineer



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WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007
No. / Issue Nan	ne / Date

SECTION

Sheet Title Nov. 3, 2008 3/4"=1'-0"

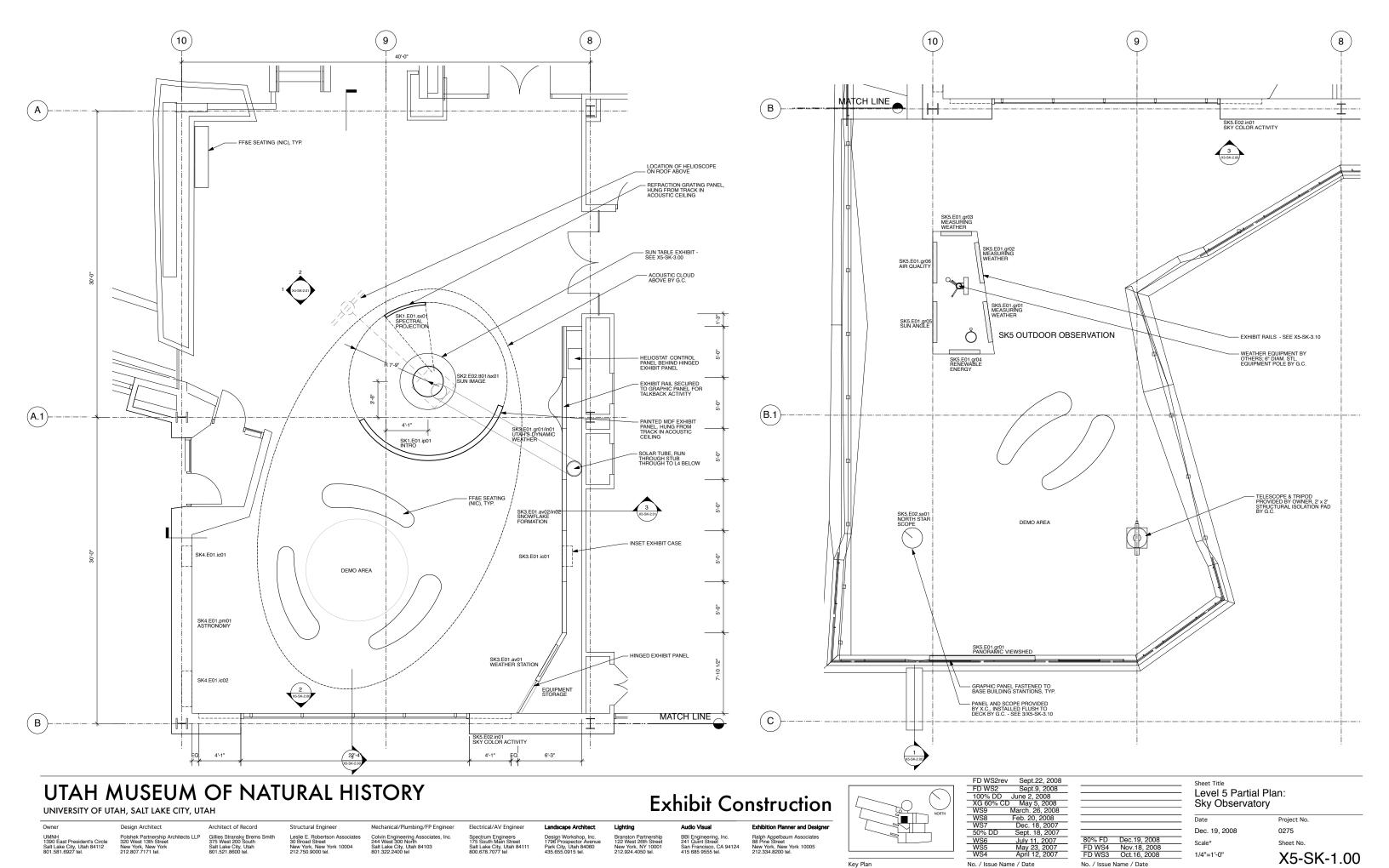
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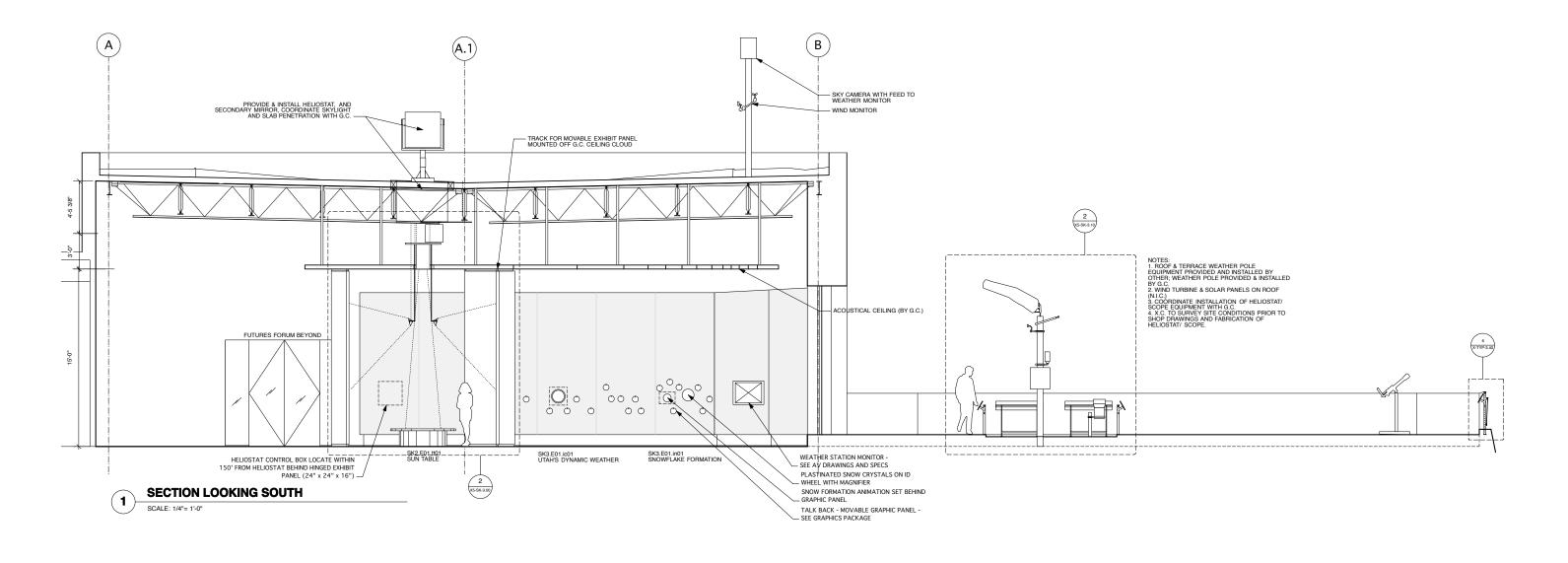
2. SEE CASEWORK SPECIFICATIONS

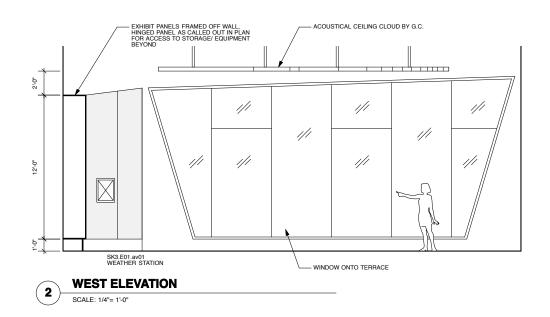
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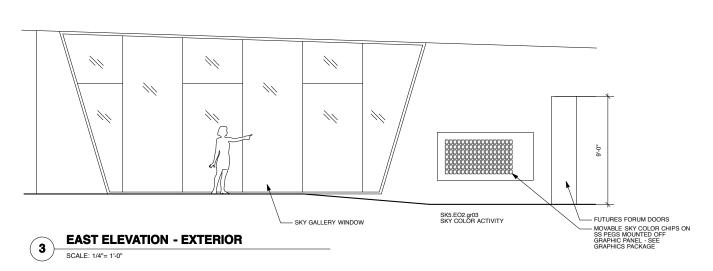
X5-NV-5.40

1. SEE X-TYP-1.00 FOR GLASS CASE SCHEDULE AND TYP. CASE DWGS FOR BRACKET & PANEL DTLS









UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Structural Engineer

Mechanical/Plumbing/FP Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Electrical/AV Engineer

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

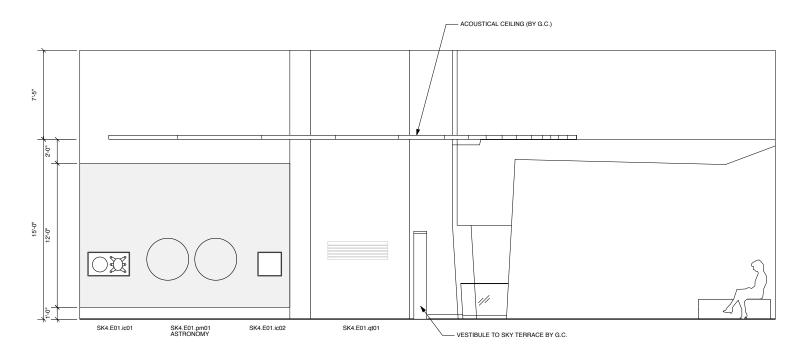
Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



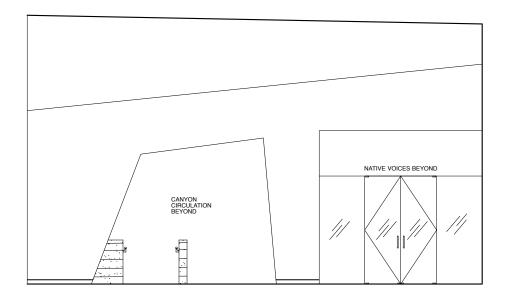
1 D W3216V	3ept.22, 2000
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WS9	March. 26, 2008
WS8	Feb. 20, 2008
WS7	Dec. 18, 2007
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WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007
No. / Issue Nan	ne / Date

Sections & Elevations Sky Observatory Project No 0275 Dec. 19, 2008 Scale* Sheet No.

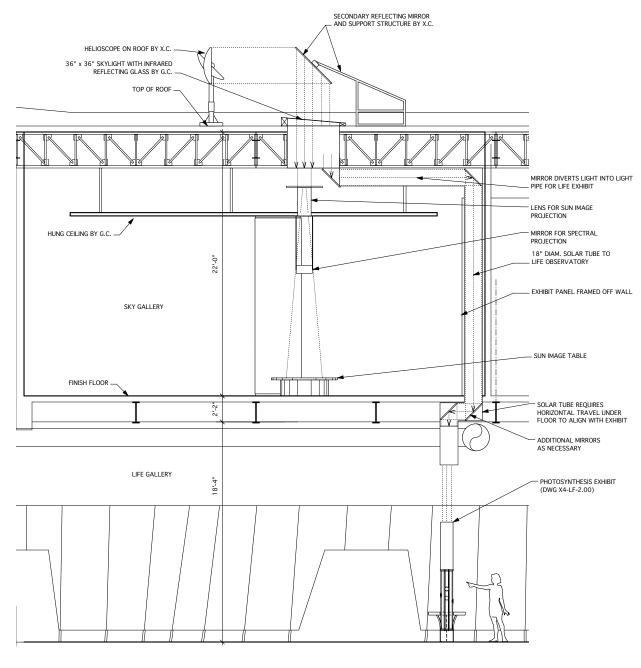
X5-SK-2.00 *Note: Scale Given for Full Size Drawing Sheet (22" x 34")











SECTION LOOKING EAST SCALE: 1/4"= 1'-0"

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner	
	President's Circle City, Utah 84112 927 tel.

Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel. Mechanical/Plumbing/FP Engineer Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

Electrical/AV Engineer

Landscape Architect

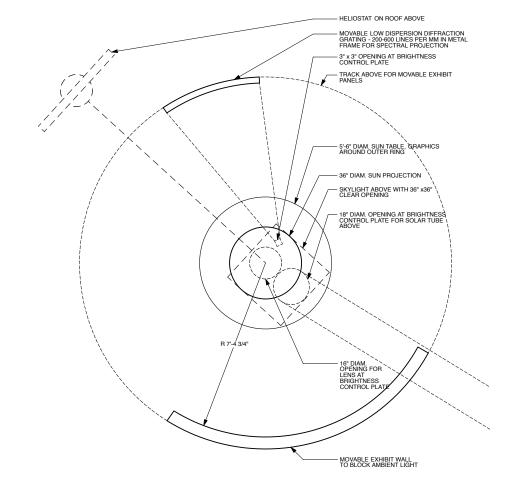
Lighting

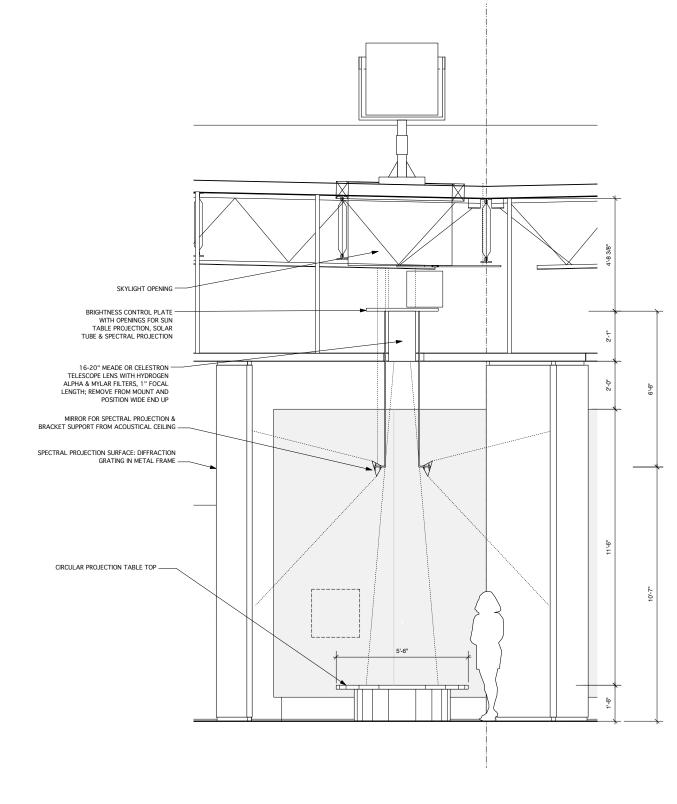
BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction

FD WS2rev	
FD WS2	Sept.9, 2008
100% DD	June 2, 2008
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WS9	March. 26, 2008
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WS4	April 12, 2007
No. / Issue Nar	ne / Date

Sheet Title Sections & Elevations Sky Observatory Date Project No. 0275 Dec. 19, 2008 Sheet No. X5-SK-2.01







SUN TABLE SECTION DETAIL

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner
UMNH 1390 East President's Circle Salt Lake City, Utah 84112 801.581.6927 tel.

Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

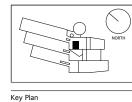
Mechanical/Plumbing/FP Engineer Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel Electrical/AV Engineer

Landscape Architect

Lighting

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

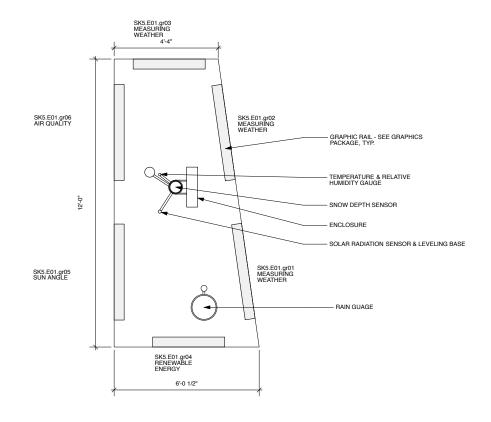
Exhibit Construction Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



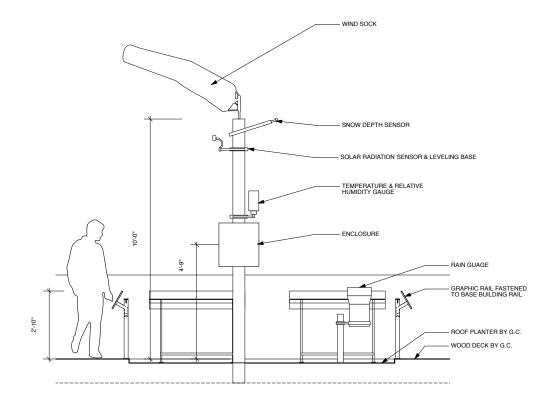
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	100% DD	June 2, 2008
	XG 60% CD	
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	WS8	Feb. 20, 2008
	WS7	Dec. 18, 2007
	50% DD	Sept. 18, 2007
	WS6	July 11, 2007
	WS5	May 23, 2007
	WS4	April 12, 2007
	No. / Issue Nan	ne / Date

	Sheet Title Details Sky Observat	ory
	Date	Project No.
	Dec. 19, 2008	0275
80% FD Dec.19, 2008 FD WS4 Nov.18, 2008	Scale*	Sheet No.
FD WS3 Oct.16, 2008	1/4"=1'-0"	X5-SK-3.00

No. / Issue Name / Date



SKY TERRACE EQUIPMENT TOWER SCALE: 1/2"= 1'-0"



SKY ROOF EQUIPMENT TOWER

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Electrical/AV Engineer

Landscape Architect

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel. Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

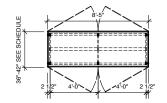


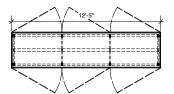
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	WS9	March. 26, 2008
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	WS5	May 23, 2007
	WS4	April 12, 2007
	No. / Issue Nan	ne / Date

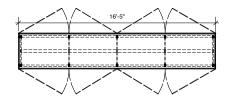
Details Sky Observatory Dec. 19, 2008

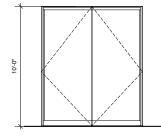
0275

X5-SK-3.10

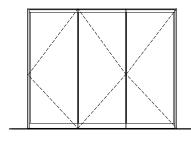


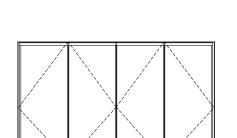






CASE A2 - 10'H x 3'W x 8'L





CASE A3 - 10'H x 3'W x 12'L

CASE A4 - 10'H x 3'W x 16'L

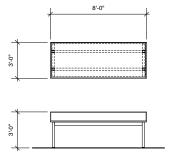
GLASS CASE SCHEDULE

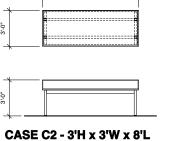
Level	Observatory	Exhibit Area	Type	L	W	Н	Doors	Notes
L1	Canyon							Provide mounts and graphics for Collection Case
	Utah Futures	Place	А	8'-0"	3'-0"	10'-0"	Single	
	Past Worlds	Pleistocene	A	12'-0" 12'-0"	4'-0" 3'-0"	10'-0"	Single	
_		EO - Green River CR - N. Horn	A B	8'-0"	4'-0"	10'-0"	Double	
_		CR - N. Horn CR - Cedar Mnt	В	8'-0"	4-0"	10'-0"	Single	
_							Single	Dans the halous dans flavoring 41 dans also dans assistant
-		CR -Kaip. Div.	A	12'-0"	3'-0"	8'-0" 10'-0"	Single Single	Base sits below glass floor in 4' deep slab depression
-		JR - CLQ	A	24'-0"	3'-0"	10'-0"	Sirigie	No rear glass
L2	First Peoples	Trade	Α	8'-0"	3'-0"	10'-0"	Single	No rear glass
	<u> </u>	Tech - Stone/Weap.	Α	8'-0"	3'-6"	10-0"	Double	
		Tech - Cer.	Α	16'-0"	3'-6"	10'-0"	Double	
		Tech - Orn.	С	8'-0"	3'-0"	3'-0"		
		Tech - Shoes	С	8'-0"	3'-0"	3'-0"		
		Tech - Basketry/Tex	A	12'-0"	3'-6"	10'-0"	Double	
		Subsist H/F	A	16'-0"	3'-0"	10'-0"	Single	Solid Rear Panels.
		Range Creek	С	8'-0"	3'-0"	3'-0"		
L3	Life	Genes	A	8'-0"	3'-0"	10'-0"	Double	
		Organisms	Α	12'-0"	3'-0"	10'-0"	Double	
		Populations	Α	8'-0"	3'-0"	10'-0"	Double	
L4	Native Voices	Utah Tribes	Α	16'-0"	3'-0"	10'-0"	Single	Solid Rear Panels.
		1	D	16'-0"	3'-6"	8'-0"	Single	Case front angles in toward the top.
		2	D	16'-0"	3'-6"	8'-0"	Single	Case front angles in toward the top.
		3	D	16'-0"	3'-6"	8'-0"	Single	Case front angles in toward the top.
		4	D	16'-0"	3'-6"	8'-0"	Single	Case front angles in toward the top.
		5	D	16'-0"	3'-6"	8'-0"	Single	Case front angles in toward the top.

NOTES:

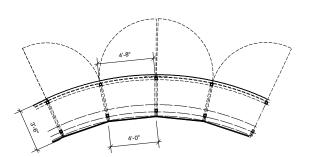
CASE TYPE 'A' - TYPICAL CASE SCALE: 1/4"= 1'-0"

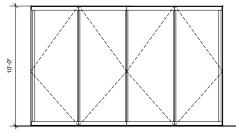


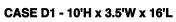














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Owner
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801.581.6927 tel.

Architect of Record

Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Electrical/AV Engineer

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.



Exhibition Planner and Designer	
Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.	

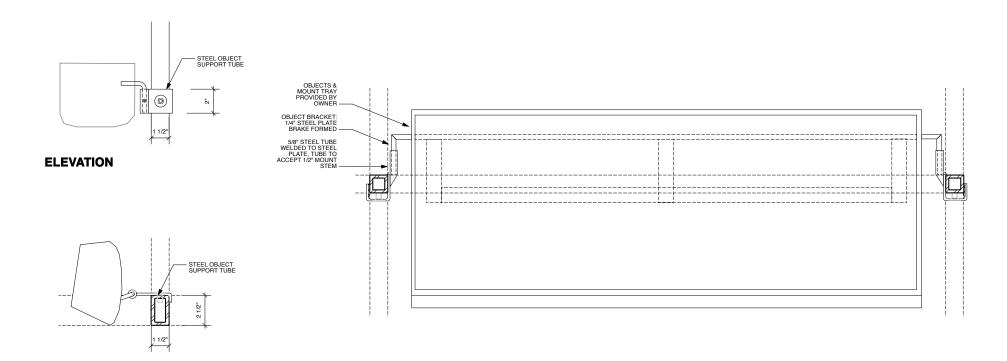
	FD WS2rev	
	FD WS2	Sept.9, 200
\wedge	100% DD	June 2, 2008
\sim \cap \setminus $/$	XG 60% C	
NORTH	WS9	March. 26, 20
~ II 7 **** I	WS8	Feb. 20, 2008
	WS7	Dec. 18, 20
	50% DD	Sept. 18, 20
	WS6	July 11, 200 May 23, 200
	WS5	May 23, 200
	TAICA	A 1 4 0 00/

WS	4	A	prıl	12,	2007
No. /	Issue	Name /	Dat	e	

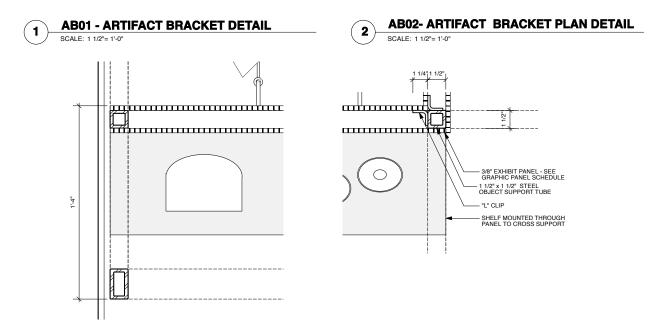
	Sheet Title Typical Detai Exhibit Case
	Date
	Dec. 19, 2008
80% FD Dec.19, 2008 FD WS4 Nov.18, 2008	Scale*
FD WS3 Oct.16, 2008	1/4"=1'-0"

No. / Issue Name / Date

Sheet Title Typical Details Exhibit Case Types			
Date	Project No.		
Dec. 19, 2008	0275		
Scale*	Sheet No.		
1/4"=1'-0"	X-TYP-1.00		



PLAN



UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

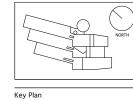
EXHIBIT PANEL PLAN DETAIL

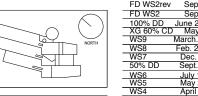
Architect of Record Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Electrical/AV Engineer

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel. BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction





FD WS2rev	Sept.22, 2008
FD WS2	Sept.9, 2008
100% DD	June 2, 2008
XG 60% CI	
WS9	March. 26, 2008
WS8	Feb. 20, 2008
WS7	Dec. 18, 2007
50% DD	Sept. 18, 2007
WS6	July 11, 2007 May 23, 2007
WS5	May 23, 2007
WS4	April 12, 2007
No. / Issue Na	me / Date

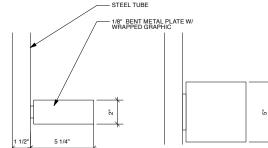
	80% FD	Dec.19, 2008
	FD WS4	Nov.18, 2008
	FD WS3	Oct.16, 2008
_	No / Issue I	Jame / Date

Sheet Title Typical Details Exhibit Case S	
Date	Projec
 Dec 19 2008	0275

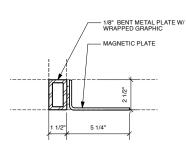
Project No. 0275 Sheet No. 1 1/2"=1'-0"

X-TYP-1.10 *Note: Scale Given for Full Size Drawing Sheet (22" x 34")

NOTES:

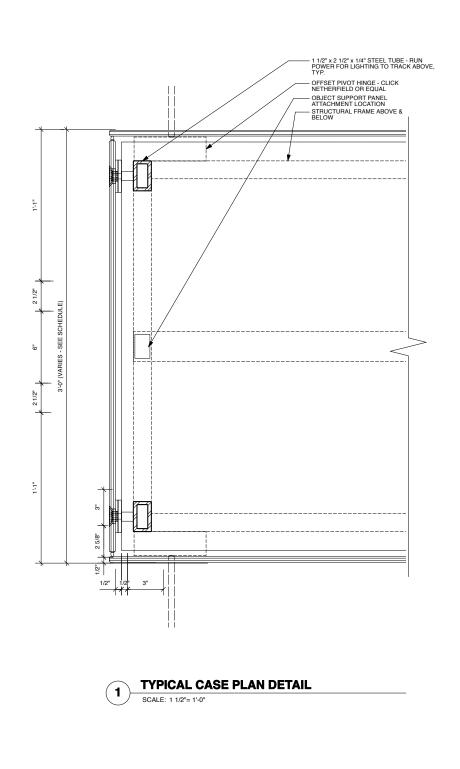


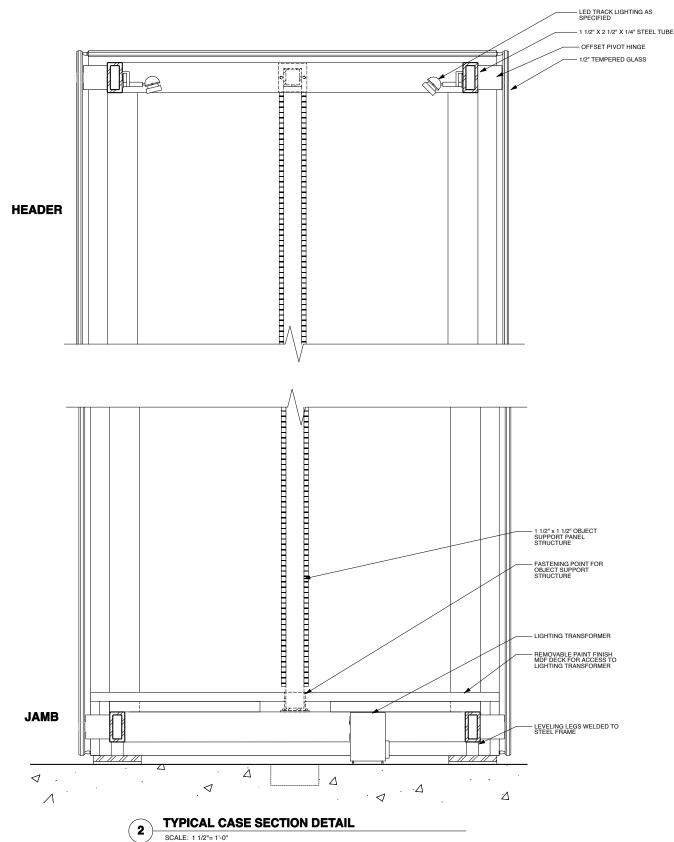
ELEVATION

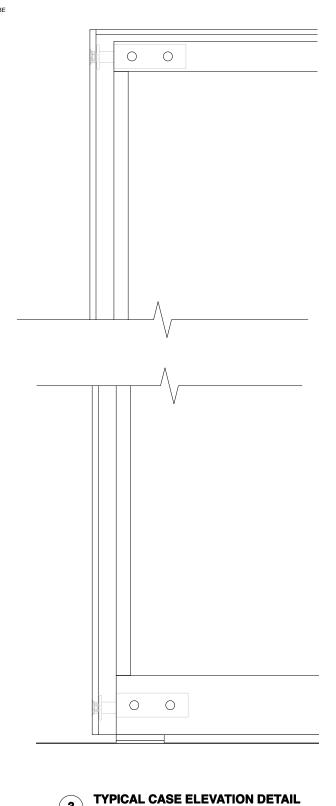


PLAN

OBJECT ID BRACKET DETAIL







UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Architect of Record

Structural Engineer

Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel. Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

Electrical/AV Engineer

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

Key Plan

FD WS2rev Sept.22, 2008 FD WS2 Sept.9, 2008 100% DD June 2, 2008 XG 60% CD May 5, 2008 WS9 March. 26, 2008

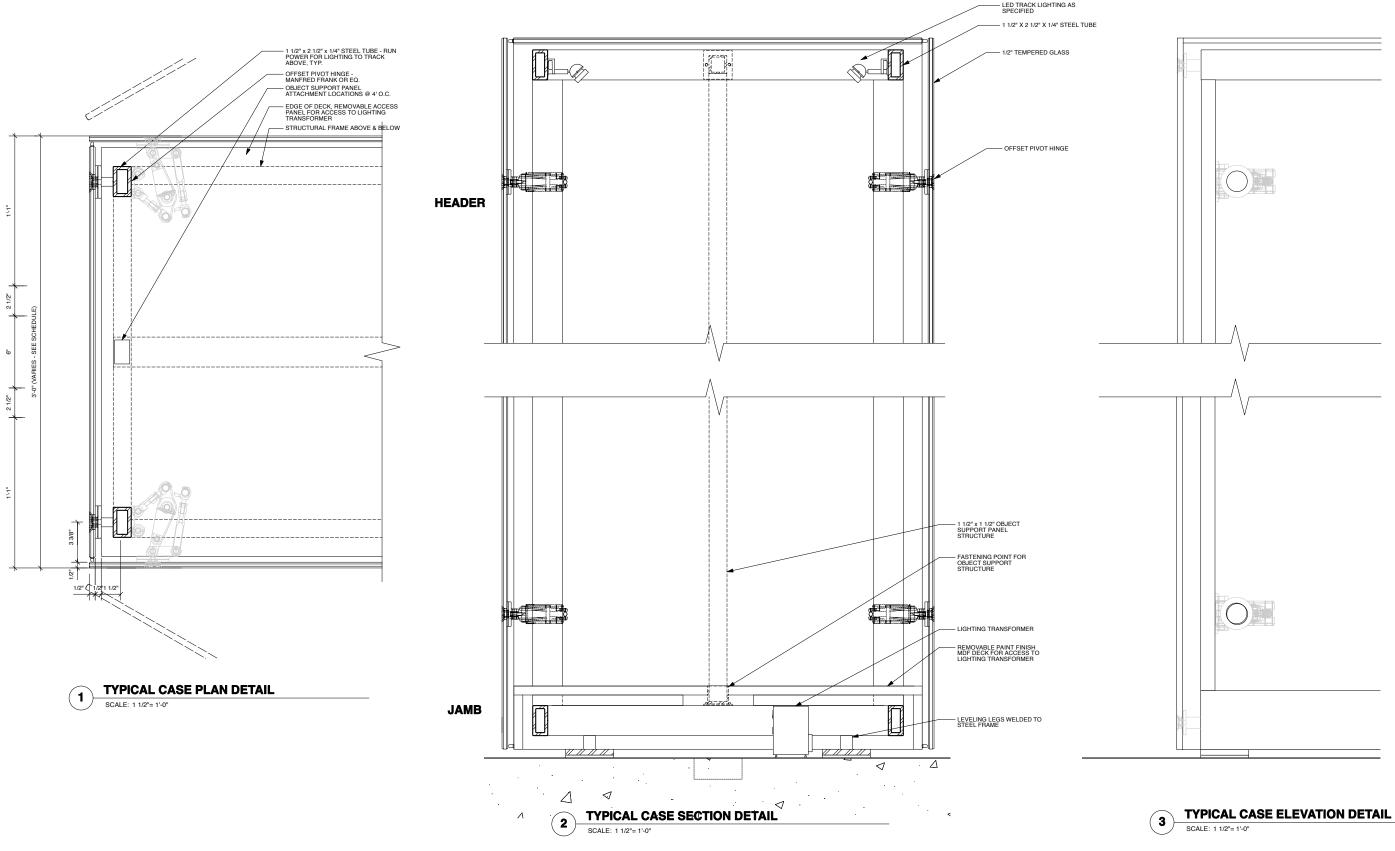
No. / Issue Name / Date

80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008 No. / Issue Name / Date

Sheet Title Typical Details Exhibit Case -Netherfield hinge Date Project No. Dec. 19, 2008 0275 Sheet No.

*Note: Scale Given for Full Size Drawing Sheet (22" x 34")

1 1/2"=1'-0" X-TYP-1.20 alt A



UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Electrical/AV Engineer

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



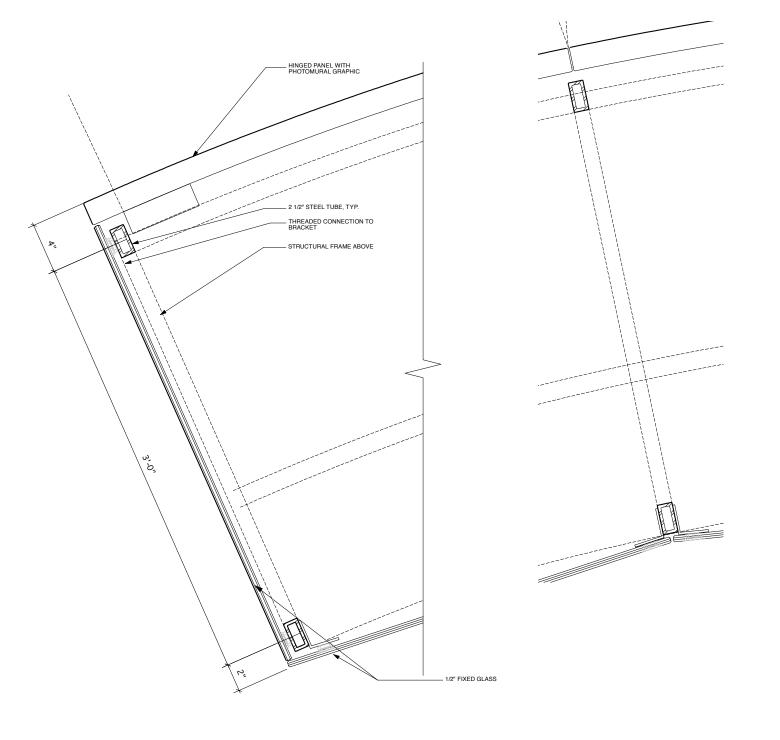
Key Plan

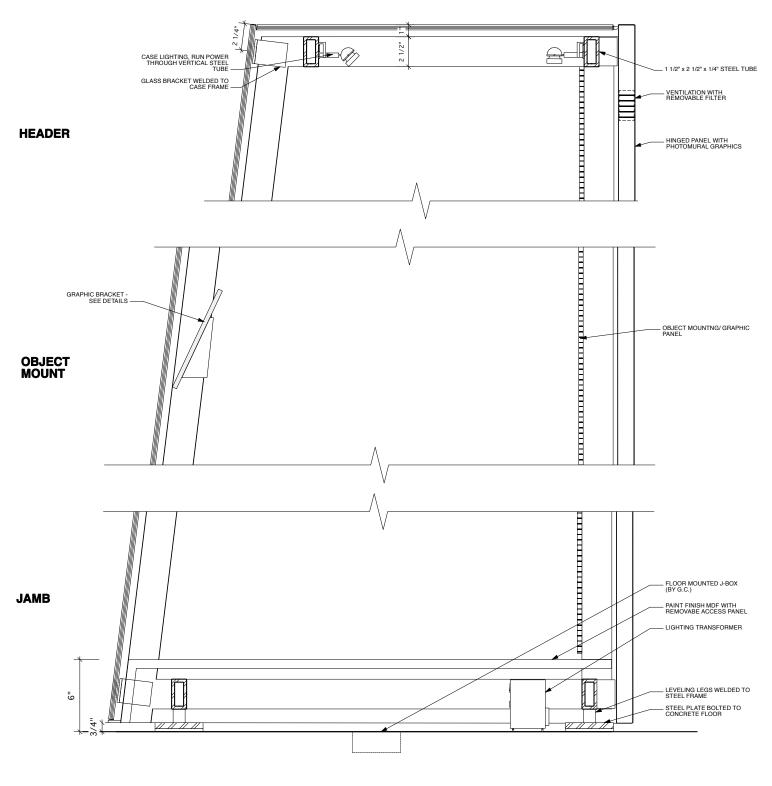
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	FD WS2	Sept.9, 200
<)		June 2, 2008
71	XG 60% CD	
IORTH		March. 26, 200
	WS8	Feb. 20, 2008
	WS7	Dec. 18, 200
	50% DD	Sept. 18, 200
	WS6	July 11, 2007
	WS5	May 23, 2007
	WS4	April 12, 200

FD WS3 Oct.16, 2008 No. / Issue Name / Date No. / Issue Name / Date

Sheet Title Typical Details Exhibit Case -Manfred Frank hinge Date Project No.

Dec. 19, 2008 1 1/2"=1'-0" X-TYP-1.20 alt B





TYPICAL NV CASE PLAN DETAIL: CASE TYPE -

TYPICAL NV CASE SECTION DETAIL

UTAH MUSEUM OF NATURAL HISTORY

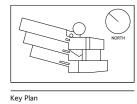
UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner
UMNH 1390 East President's Circle Salt Lake City, Utah 84112
801 581 6927 tel

Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

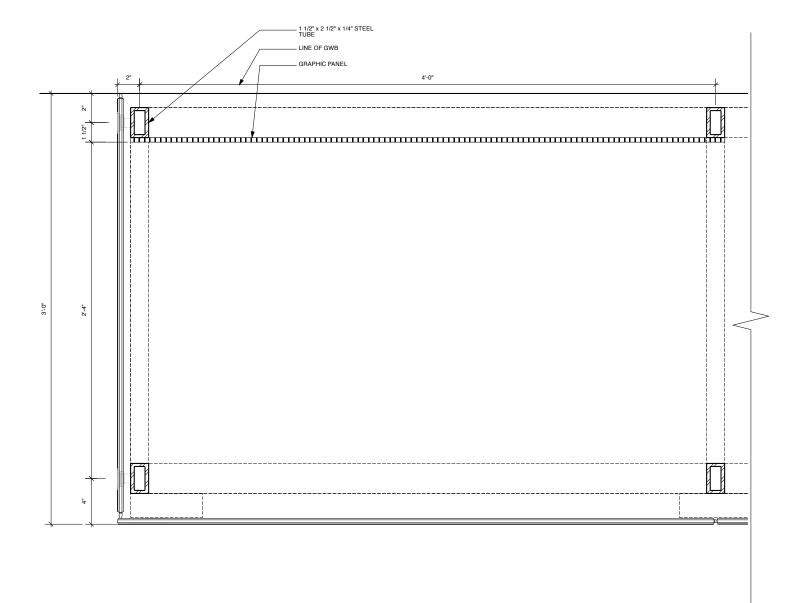
Exhibit Construction Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

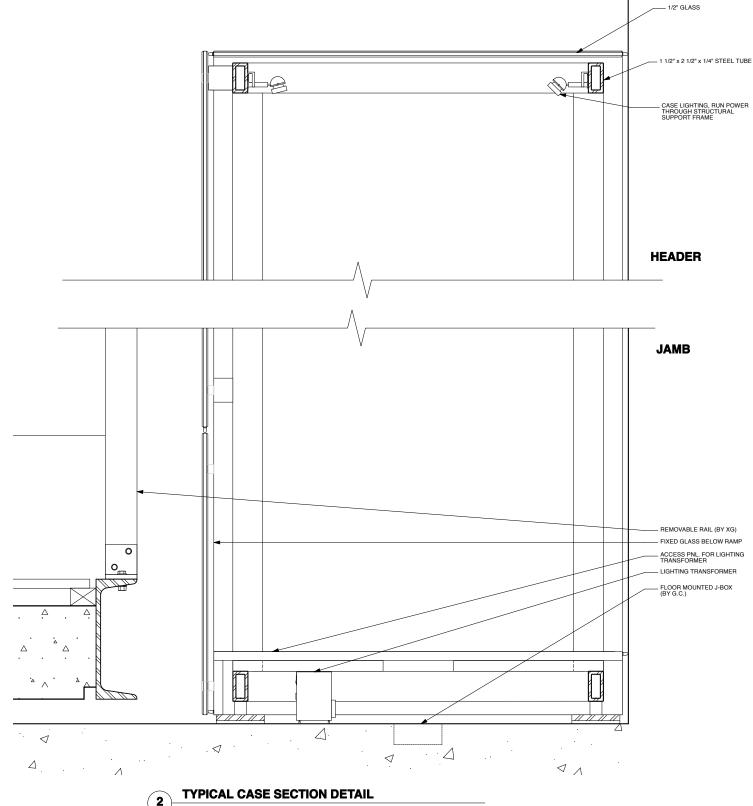


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FD WS2	Sept.9, 2008
100% DD	June 2, 2008
XG 60% CL	
WS9	March. 26, 2008
WS8	Feb. 20, 2008
WS7	Dec. 18, 2007
50% DD	Sept. 18, 2007
WS6	July 11, 2007 May 23, 2007
WS5	May 23, 2007
WS4	April 12, 2007

No. / Issue Name / Date

Sheet Title
Typical Details
Exhibit Case System -NV Date Project No. 80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 Sheet No. FD WS3 Oct.16, 2008 X-TYP-1.30 No. / Issue Name / Date





TYPICAL CASE PLAN DETAIL SCALE: 1 1/2"= 1'-0"

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UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner
UMNH 1390 East President's Circle Salt Lake City, Utah 84112 801 581 6927 tel

Architect of Record

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BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel. Key Plan

NORTH

FD WS2re	
FD WS2	Sept.9, 2008
100% DD	June 2, 2008
XG 60% C	
WS9	March. 26, 2008
WS8	Feb. 20, 2008
WS7	Dec. 18, 2007
50% DD	Sept. 18, 2007
WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007

No. / Issue Name / Date

80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008 No. / Issue Name / Date

Sheet Title Typical Details Exhibit Case System - PW Date Project No. Dec. 19, 2008 Sheet No. Scale*

*Note: Scale Given for Full Size Drawing Sheet (22" x 34")

X-TYP-1.40

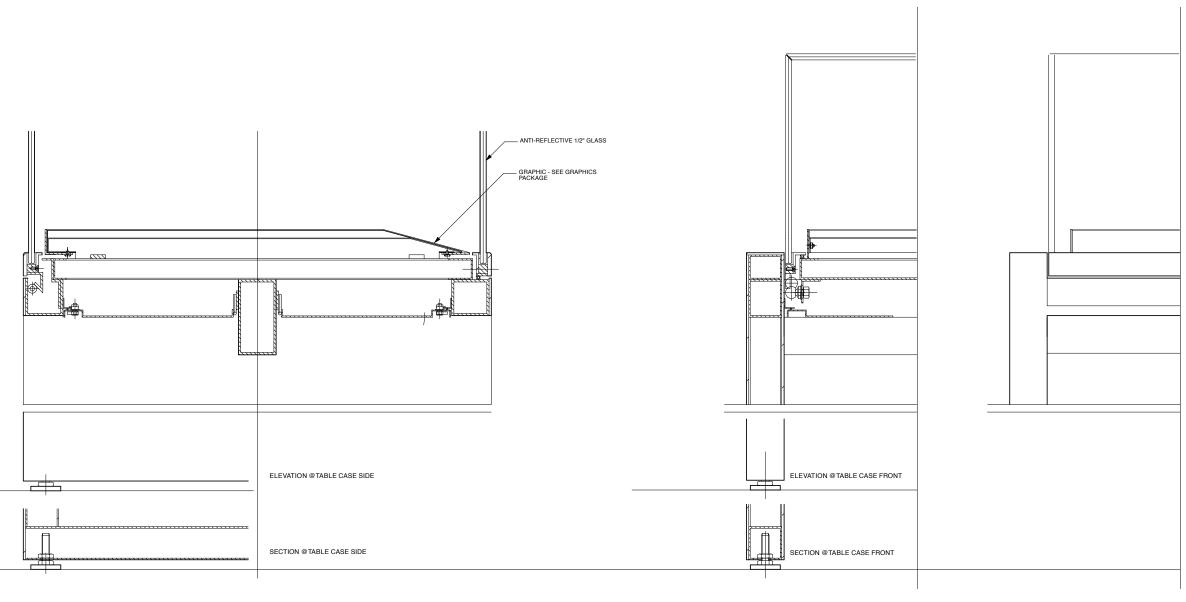


TABLE CASE CROSS SECTION DETAIL SCALE: 1 1/2"= 1'-0"

TABLE CASE SIDE SECTION DTL. SCALE: 1 1/2"= 1'-0"

TABLE CASE FRONT ELEVATION DTL. SCALE: 1 1/2"= 1'-0"

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Architect of Record Gillies Stransky Brems Smith 375 West 200 South Salt Lake City, Utah 801.521.8600 tel.

Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

Electrical/AV Engineer

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.



Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

			NORTH
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Sept. 18, 2007

No. / Issue Name / Date

FD WS2rev Sept.22, 2008

FD WS3 Oct.16, 2008 No. / Issue Name / Date

Sheet Title Typical Details Exhibit Case System - Table Case Date Project No. Dec. 19, 2008 80% FD Dec.19, 2008 FD WS4 Nov.18, 2008

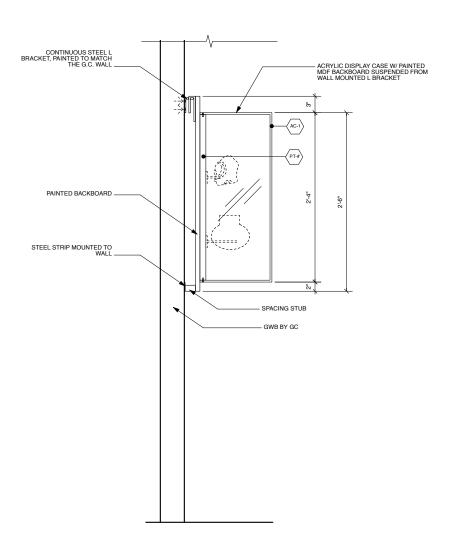
Sheet No.

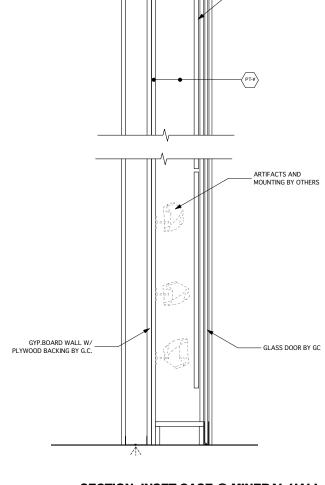
X-TYP-1.50

ACRYLIC CASE SCHEDULE

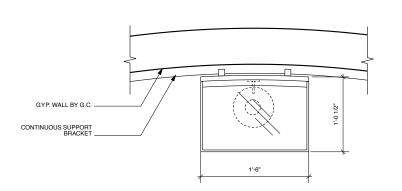
Leve	l Observatory	Exhibit Area	Case Code	Internal D	imension	IS	Quantit	y Notes
				W	D	Н		Provide brackets and graphics for Collection Case
2	Utah Futures	Carbon Story	UF3.E01.ic01-03	18"	32"	12"	3	
.3	Canyon	Chrystals Large & Small		60"	72"	13"	1	
		Gemstones	CN5.E01.ic03	92"	22"	13"	1	
_		Fil/AC/RAD	CN5.E01.ic05	32"	26"	16"	1	
		RET/TWI/ROS	CN5.E01.ic06	47"	30"	13"	1	
		INC/FHA/Zoning	CN5.E01.ic07	50"	18"	13"	1	
		Pseudomorphs	CN5.E01.ic08	36"	14"	13"	1	
		BOT/MAM/STA	CN5.E01.ic09	66"	14"	13"	1	
		Chrystals S&H	CN5.E01.ic10	39"	18"	13"	1	
		Fluorescents	CN5.E01.ic11	54"	10"	13"	1	
3	Lake	People & the Lake	LK5.E01.ic01	96"	18"	12"	1	
\dashv	First People	Intro	FP8.E01.ic01	30"	18"	12"	1	
\neg		Absolute Dating	FP4.E04.ic01	96"	18"	12"	1	
		Dry Caves	FP3.E01.ic01-06	8"	4"	6 1/2"	1	
\neg		Sudden Shelter	FP3.E02.ic01-06	8"	8"	6 1/2"	2	
				32"	8"	6 1/2"	1	
				26"	8"	6 1/2"	1	
				20"	8"	6 1/2"	2	
\dashv	The Land	I and Intro	LD1.E01.ic01-06	8"	6"	6"	1	
\dashv	THE Land	Minerals / Bocks	LD2.E01.ic01-04	25"	27"	10"	4	
\dashv		Index Fossils	LD3.E02.ic01	14"	39"	20"	1	
\dashv		Earthquake	LD4.E03.sx01/02	65"	49"	19"	1	
\dashv		Eartiiquake	LD4.E03.8X01/02	65"	49"	19	-	
5	Native Voices	Generational Memory	NV2.E01.ic01	31"	41"	27"	1	
\neg			NV2.E02.ic01	33"	29"	27"	1	
			NV2.E04.ic01	31"	41"	27"	1	
		i	NV2.E05.ic01	33"	49"	27"	1	
		Historic Past / Healing	NV3.E01.ic01	33"	49"	27"	1	
	Sky	Weather	SK3.E01.ic01	18"	18"	24"	1	
			SK4.E01.ic01	24"	24"	12"	1	
		Astronomy	SK4.E01.ic02	42"	24"	12"	1	

- Acrylic to be 1/4" clear, scratch resistant with P30 bonding.
 Provide shop DWG's for coordination of all inset case lighting + integration w/ adjacent exhibit + graphics
 Inset case prototype to show integration of lighting and graphics
 All exposed fasteners to be SSTL
 Object mounts by others



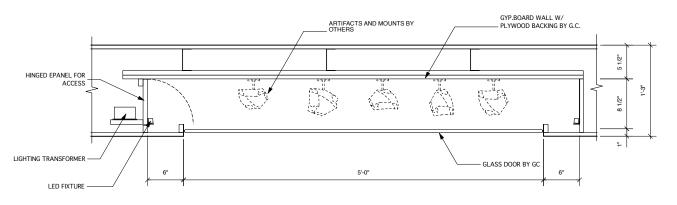


SECTION: INSET CASE @ UTAH FUTURES SCALE: 1-1/2"= 1'-0"



PLAN: INSET CASE @ UTAH FUTURES SCALE: 1-1/2"= 1'-0"

SECTION: INSET CASE @ MINERAL HALL (NORTH) SCALE: 1-1/2"= 1'-0"



PLAN: INSET CASE @ MINERAL HALL (NORTH) SCALE: 1-1/2"= 1'-0"

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner
UMNH 1390 East President's Circle Salt Lake City, Utah 84112 801.581.6927 tel.

Design Architect Architect of Record Gillies Stransky Brems Smith 375 West 200 South Salt Lake City, Utah 801.521.8600 tel.

Structural Engineer

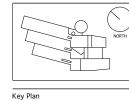
Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Mechanical/Plumbing/FP Engineer Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

Electrical/AV Engineer

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Exhibit Construction Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

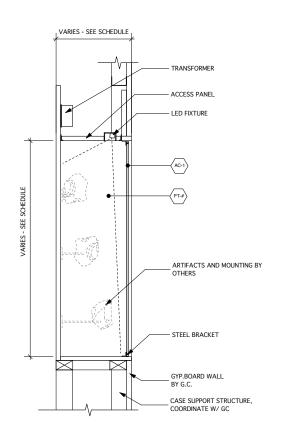


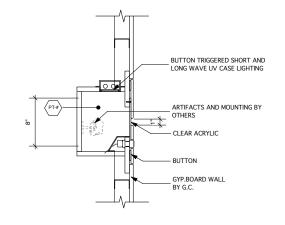
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FD WS2	Sept.9, 2008
100% DD	June 2, 2008
XG 60% CL	
WS9	March. 26, 2008
WS8	Feb. 20, 2008
WS7	Dec. 18, 2007
50% DD	Sept. 18, 2007
WS6	July 11, 2007 May 23, 2007
WS5	
WS4	April 12, 2007
No. / Issue Nar	ne / Date

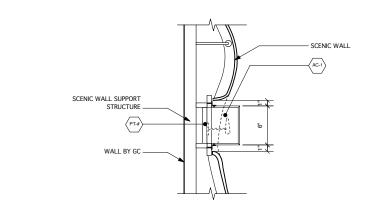
FD WS3 Oct.16, 2008 No. / Issue Name / Date

Sheet Title Case Details Acrylic Inset Cases Date Dec. 19, 2008 80% FD Dec.19, 2008 FD WS4 Nov.18, 2008

Project No. Sheet No. X-TYP-2.00







SECTION: INSET CASE @ MINERAL HALL / FIRST PEOPLE (SOUTH) SCALE: 1-1/2"= 1'-0"

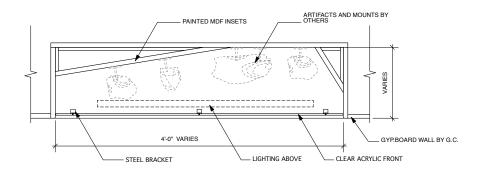
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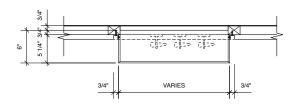
SECTION: INSET CASE @ DRY CAVE SCALE: 1-1/2"= 1'-0"

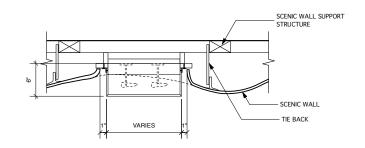
- PANEL W/ GRAPHIC MURAL

STEEL FRAME

SECTION: INSET CASE @ DRY CAVE SCALE: 1-1/2"= 1'-0"







PLAN: INSET CASE @ MINERAL HALL / FIRST PEOPLE (SOUTH) SCALE: 1-1/2"= 1'-0"

PLAN: INSET CASE @ DRY CAVE

SCALE: 1-1/2"= 1'-0"

PLAN: INSET CASE @ DRY CAVE SCALE: 1-1/2"= 1'-0"

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner
UMNH 1390 Fast President's Circle
Salt Lake City, Utah 84112

Design Architect

Architect of Record

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Mechanical/Plumbing/FP Engineer

Electrical/AV Engineer

BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel.

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

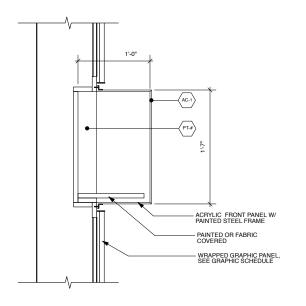


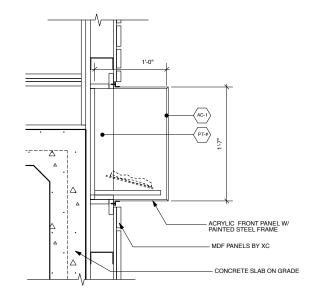
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XG 60% CL	
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WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007

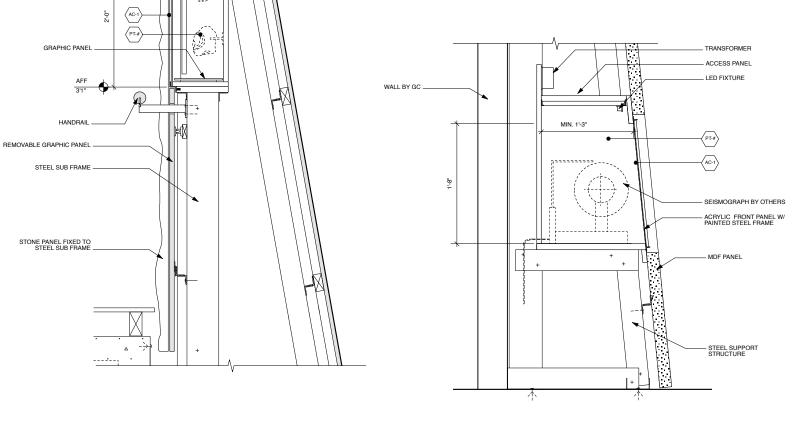
80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008 April 12, 2007 No. / Issue Name / Date No. / Issue Name / Date

Sheet Title Case Details Acrylic Inset Cases Date Project No. Dec. 19, 2008 Sheet No.

X-TYP-2.01







SECTION: INSET CASE @ FIRST PEOPLE SCALE: 1-1/2"= 1'-0"

SECTION: INSET CASE @ FIRST PEOPLE SCALE: 1-1/2"= 1'-0"

SCALE: 1-1/2"= 1'-0" STONE PANEL FIXED TO STEEL SUB FRAME 1'-0" LED FIXTURE STEEL SUB FRAME -

SECTION: INSET CASE @ LAND

SECTION: INSET CASE @ LAND SCALE: 1-1/2"= 1'-0"

PLAN: INSET CASE @ LAND SCALE: 1-1/2"= 1'-0"

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner	
UMNH 1390 East President's (Salt Lake City, Utah 84 801.581.6927 tel.	

Architect of Record Gillies Stransky Brems Smith 375 West 200 South Salt Lake City, Utah 801.521.8600 tel.

Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel.

Mechanical/Plumbing/FP Engineer Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

Electrical/AV Engineer

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Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.

TRANSFORMER REMOVABLE GRAPHIC PANEL

LED FIXTURE

ACRYLIC FRONT PANEL, SECURED WITH STEEL ANGLE AT TOP AND BOTTOM



	FD WS2rev	Sept.22, 20
	FD WS2	Sept.9, 200
\wedge		June 2, 2008
$\cdot \cap \setminus A$	XG 60% CD	
NORTH		March. 26, 20
	WS8	Feb. 20, 2008
	WS7	Dec. 18, 20
	50% DD	Sept. 18, 20
	WS6	July 11, 200 May 23, 200
	WS5	
	WS4	April 12, 20

No. / Issue Name / Date

WS2rev	Sept.22, 2008	
WS2	Sept.9, 2008	
0% DD	June 2, 2008	
i 60% CD		
	March. 26, 2008	
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36	July 11, 2007 May 23, 2007	
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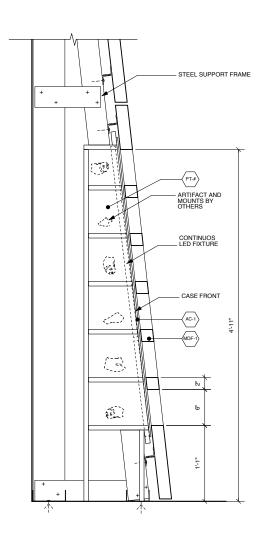
Date 80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008

No. / Issue Name / Date

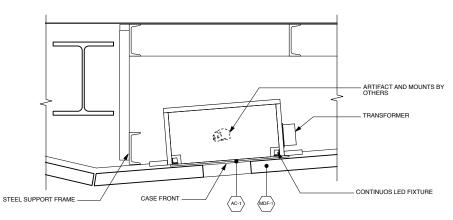
Sheet Title Case Details **Acrylic Inset Cases**

Project No. Dec. 19, 2008 Sheet No. X-TYP-2.02

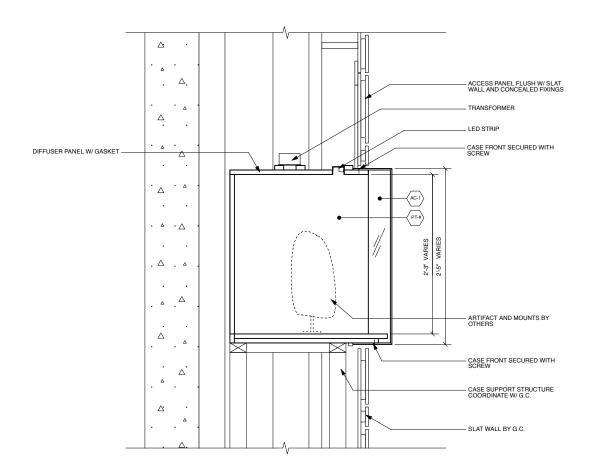
*Note: Scale Given for Full Size Drawing Sheet (22" x 34")



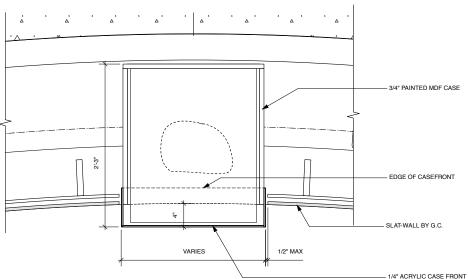




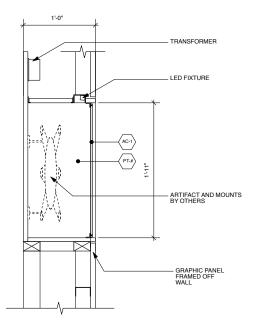
PLAN: INSET CASE @ LAND SCALE: 1-1/2"= 1'-0"



SECTION: INSET CASE @ NATIVE VOICES



PLAN: INSET CASE @ NATIVE VOICES SCALE: 1-1/2"= 1'-0"



SECTION: INSET CASE @ SKY

UTAH MUSEUM OF NATURAL HISTORY

UNIVERSITY OF UTAH, SALT LAKE CITY, UTAH

Owner
UMNH 1390 East President's Circle Salt Lake City, Utah 84112 801.581.6927 tel.

Architect of Record

Structural Engineer Leslie E. Robertson Associates 30 Broad Street New York, New York 10004 212.750.9000 tel. Colvin Engineering Associates, Inc. 244 West 300 North Salt Lake City, Utah 84103 801.322.2400 tel

Electrical/AV Engineer

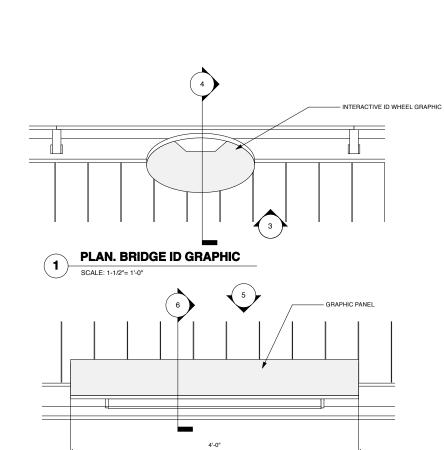
BBI Engineering, Inc. 241 Quint Street San Francisco, CA 94124 415 685 9555 tel. Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



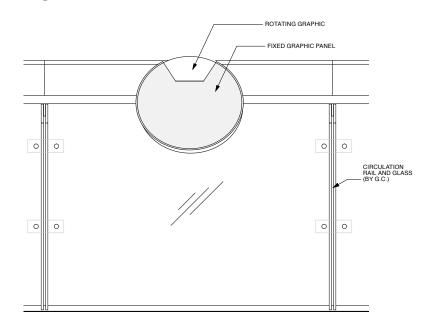
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	XG 60% CD	May 5, 2008
		March. 26, 2008
	WS8	Feb. 20, 2008
	WS7	Dec. 18, 2007
	50% DD	Sept. 18, 2007
	WS6	July 11, 2007
	WS5	May 23, 2007
_	WS4	April 12, 2007

No. / Issue Name / Date

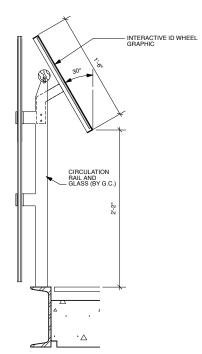
Sheet Title Case De Acrylic In	
Date	Project No.
Dec. 19, 2008	0275
Dec.19, 2008 Scale*	Sheet No.
	X-TYP
18, 2008 Scale*	

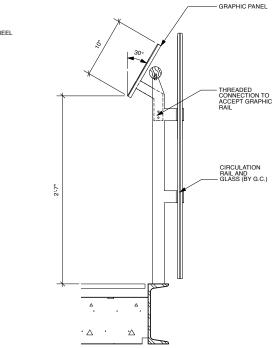


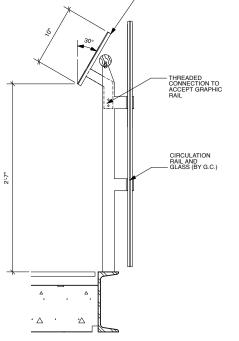


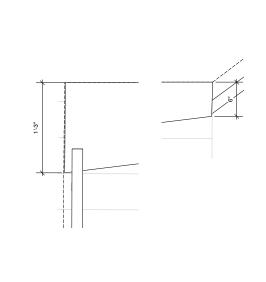


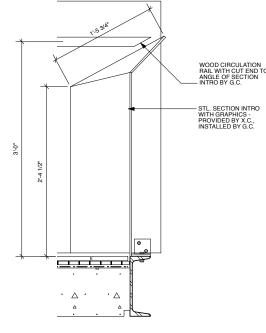
ELEVATION. BRIDGE ID GRAPHIC SCALE: 1-1/2"= 1'-0"









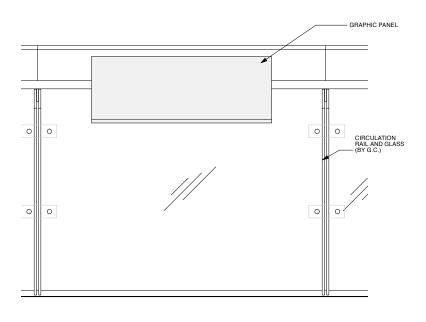


SECTION. BRIDGE ID GRAPHIC SCALE: 1-1/2"= 1'-0"

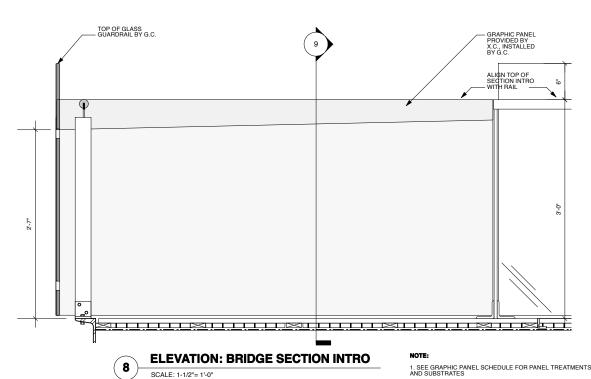
SECTION. BRIDGE GRAPHIC SCALE: 1-1/2"= 1'-0"

PLAN: BRIDGE SECTION INTRO SCALE: 1-1/2"= 1'-0"

SECTION: BRIDGE SECTION INTRO



ELEVATION. BRIDGE GRAPHIC PANEL SCALE: 1-1/2"= 1'-0"



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Salt Lake City, Utah 84112 801 581 6927 tel

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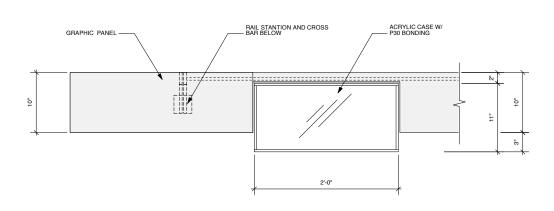
Exhibit Construction Key Plan

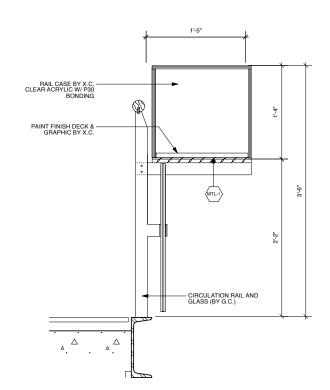
	FD WS2rev	Sept
	FD WS2	Sept
\wedge \vee	100% DD	June 2,
\sim \cap \setminus \setminus	XG 60% CL	
NORTH	WS9	March.
~ II 7 I	WS8	Feb. 20
	WS7	Dec.
	50% DD	Sept.
	WS6	July 1
	WS5	May 2
	WS4	April 1

FD WS2rev	Sept.22, 2008	
FD WS2	Sept.9, 2008	_
100% DD	June 2, 2008	
XG 60% CE		
WS9	March. 26, 2008	
WS8	Feb. 20, 2008	
WS7	Dec. 18, 2007	
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WS6	July 11, 2007	8
WS5	May 23, 2007	F
WS4	April 12, 2007	F
No. / Issue Nar	me / Date	No

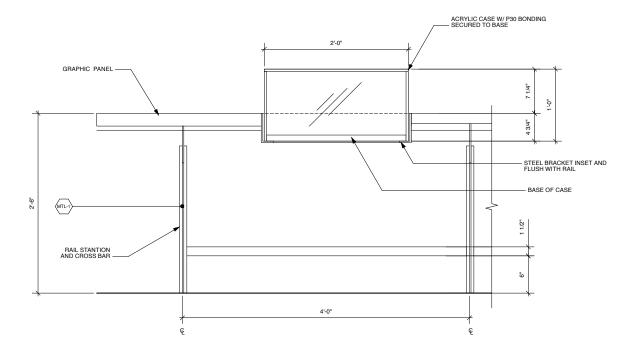
	Sheet Title Typical Details Exhibit Rail Syste	em
	Date	Project No.
	Dec. 19, 2008	0275
80% FD Dec.19, 2008 FD WS4 Nov.18, 2008	Scale*	Sheet No.
FD WS3 Oct.16, 2008	As Noted	X-TYP-3.00
No. / Issue Name / Date		71 0.00

2. PROVIDE SHOP DWGS FOR COORDINATION OF ALL RAIL ELEMENTS WITH G.C.

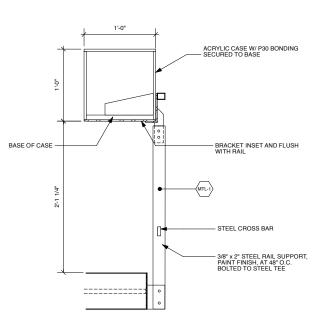




PLAN: TYP. RAIL CASE SCALE: 1-1/2"= 1'-0"

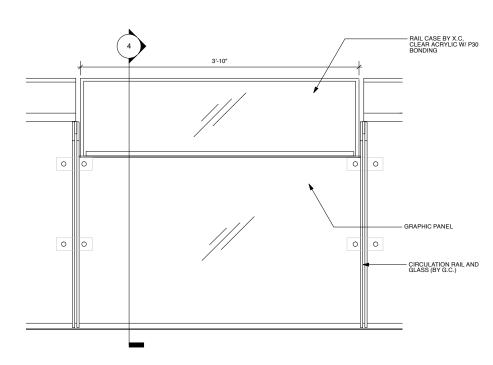


SECTION: BRIDGE RAIL CASE SCALE: 1-1/2"= 1'-0"



SECTION: TYP. RAIL CASE SCALE: 1-1/2"= 1'-0"

PLAN: BRIDGE RAIL CASE SCALE: 1-1/2"= 1'-0"



ELEVATION: BRIDGE RAIL CASE SCALE: 1-1/2"= 1'-0"

1. SEE GRAPHIC PANEL SCHEDULE FOR PANEL TREATMENTS AND SUBSTRATES

2. PROVIDE SHOP DWGS FOR COORDINATION OF ALL RAIL ELEMENTS WITH G.C.

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ELEVATION: TYP. RAIL CASE

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Owner
UMNH 1390 East President's Circle Salt Lake City, Utah 84112
801 581 6027 tol

SCALE: 1-1/2"= 1'-0"

Mechanical/Plumbing/FP Engineer

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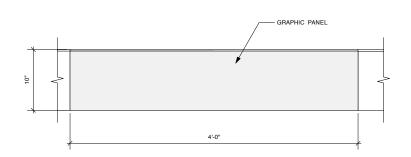
	I D VVOZICV	O6pt.22, 2000
	FD WS2	Sept.9, 2008
١١	100% DD	June 2, 2008
/	XG 60% CD	
	WS9	March. 26, 2008
	WS8	Feb. 20, 2008
	WS7	Dec. 18, 2007
	50% DD	Sept. 18, 2007
	WS6	July 11, 2007
	WS5	May 23, 2007
	WS4	April 12, 2007

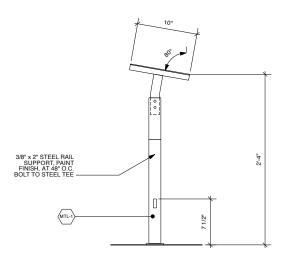
No. / Issue Name / Date

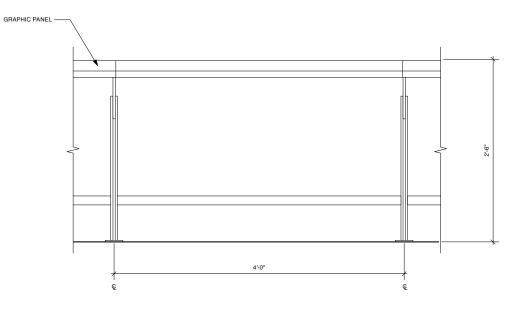
80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008

Sheet Title Typical Details Exhibit Rail System Dec. 19, 2008 0275 Sheet No. X-TYP-3.10

*Note: Scale Given for Full Size Drawing Sheet (22" x 34")



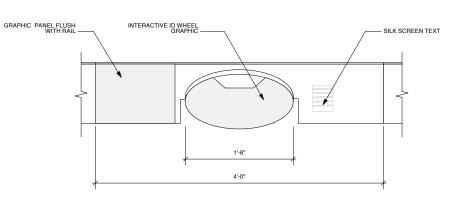


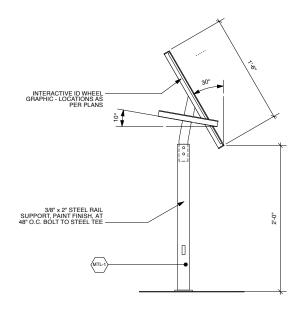


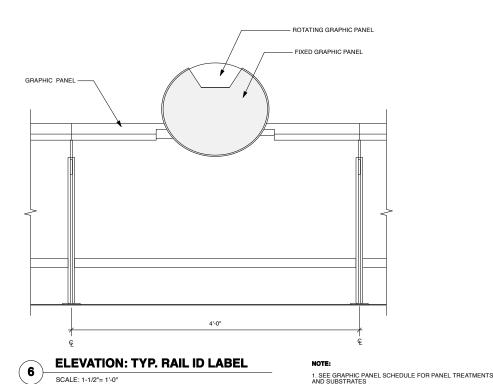
PLAN: TYP. GRAPHIC RAIL SCALE: 1-1/2"= 1'-0"

SECTION: TYP. GRAPHIC RAIL SCALE: 1-1/2"= 1'-0"

ELEVATION: TYP. GRAPHIC RAIL SCALE: 1-1/2"= 1'-0"







PLAN: TYP. RAIL ID LABEL SCALE: 1-1/2"= 1'-0"

SECTION: TYP. RAIL ID LABEL SCALE: 1-1/2"= 1'-0"

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Mechanical/Plumbing/FP Engineer

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Exhibit Construction

Key Plan

FD WS2rev	Sept.22, 2008
FD WS2	Sept.9, 2008
100% DD	June 2, 2008
XG 60% CD	
WS9	March. 26, 2008
WS8	Feb. 20, 2008
WS7	Dec. 18, 2007
50% DD	Sept. 18, 2007
WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007

No. / Issue Name / Date

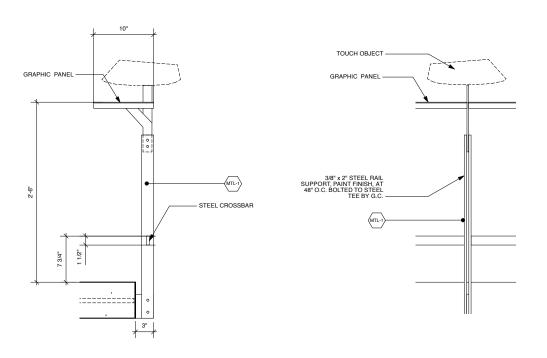
80% FD Dec.19, 2008 FD WS4 Nov.18, 2008 FD WS3 Oct.16, 2008

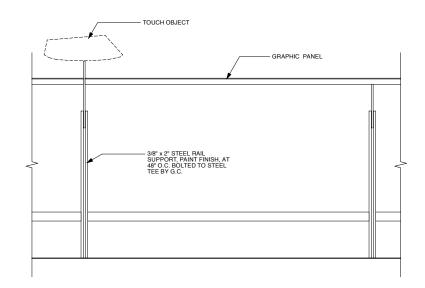
Typical Details Exhibit Rail System

2. PROVIDE SHOP DWGS FOR COORDINATION OF ALL RAIL ELEMENTS WITH G.C.

Dec. 19, 2008 0275

Sheet No. X-TYP-3.20

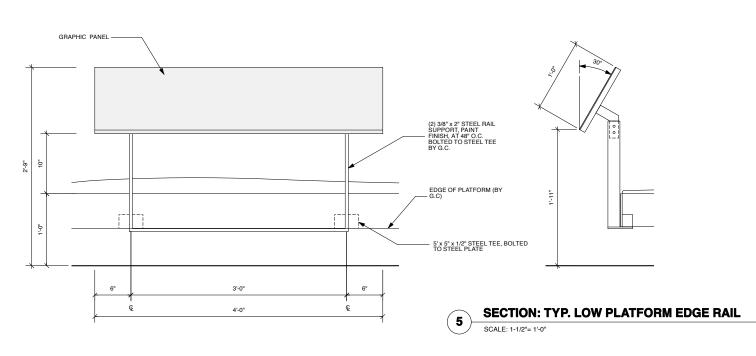


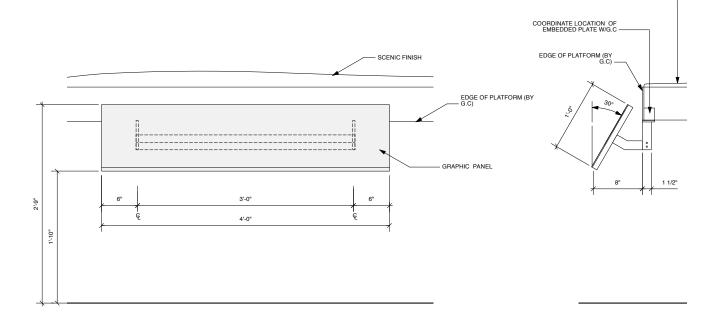


SECTION: TYP. TOUCH OBJECT RAIL SCALE: 1-1/2"= 1'-0"

ELEVATION @ EDGE OF SLAB: TYP. TOUCH OBJECT RAIL SCALE: 1-1/2"= 1'-0"

ELEVATION: TYP. TOUCH OBJECT RAIL SCALE: 1-1/2"= 1'-0"





ELEVATION: TYP. HIGH PLATFORM EDGE RAIL SCALE: 1-1/2"= 1'-0"

SECTION: TYP. HIGH PLATFORM EDGE RAIL

SCENIC FINISH -

ELEVATION: TYP. LOW PLATFORM EDGE RAIL SCALE: 1-1/2"= 1'-0"

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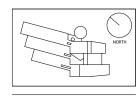
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Exhibit Construction



FD WS2rev	Sept.22, 2008
FD WS2	Sept.9, 2008
100% DD	June 2, 2008
XG 60% CE	
WS9	March. 26, 2008
WS8	Feb. 20, 2008
WS7	Dec. 18, 2007
50% DD	Sept. 18, 2007
WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007

FD WS3 Oct.16, 2008

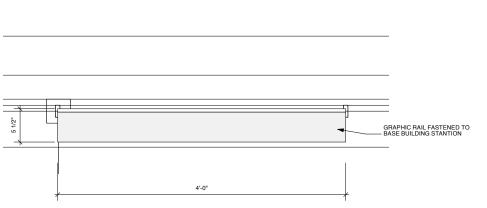
SCALE: 1-1/2"= 1'-0"

Typical Details Exhibit Rail System

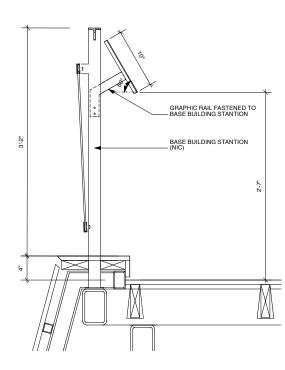
Dec. 19, 2008 0275

Sheet No. X-TYP-3.30

1. SEE GRAPHIC PANEL SCHEDULE FOR PANEL TREATMENTS AND SUBSTRATES



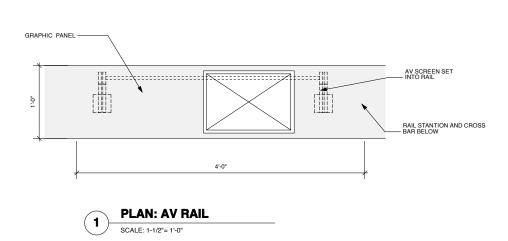


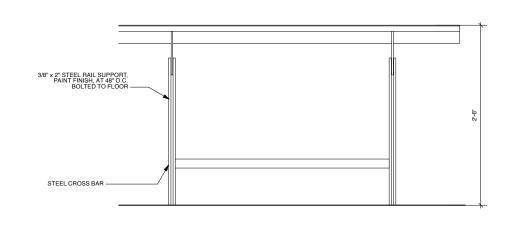


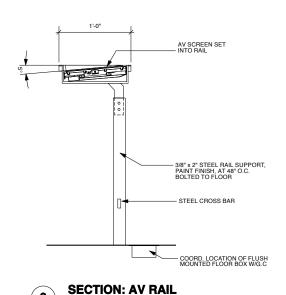
PLAN: ROOF RAIL GRAPHIC SCALE: 1-1/2"= 1'-0"

ELEVATION: ROOF RAIL GRAPHIC SCALE: 1-1/2"= 1'-0"











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Mechanical/Plumbing/FP Engineer

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ELEVATION: AV RAIL

SCALE: 1-1/2"= 1'-0"

Ralph Appelbaum Associates 88 Pine Street New York, New York 10005 212.334.8200 tel.



FD WS2rev	Sept.22, 2008
FD WS2	Sept.9, 2008
100% DD	June 2, 2008
XG 60% CE	
WS9	March. 26, 2008
WS8	Feb. 20, 2008
WS7	Dec. 18, 2007
50% DD	Sept. 18, 2007
WS6	July 11, 2007
WS5	May 23, 2007
WS4	April 12, 2007

No. / Issue Name / Date

SCALE: 1-1/2"= 1'-0"

(3)

Sheet Title Typical Details Exhibit Rail System

1 1/2" =1'-0"

Dec. 19, 2008 0275 Sheet No.

*Note: Scale Given for Full Size Drawing Sheet (22" x 34")

X-TYP-3.40

1. SEE GRAPHIC PANEL SCHEDULE FOR PANEL TREATMENTS AND SUBSTRATES 2. PROVIDE SHOP DWGS FOR COORDINATION OF ALL RAIL ELEMENTS WITH G.C.